



**KENTUCKY  
TRAFFIC ACCIDENT FACTS  
1978**



# **KENTUCKY TRAFFIC ACCIDENT FACTS 1978**



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**BUREAU OF STATE POLICE**

Kenneth E. Brandenburg, Commissioner



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OFFICE OF THE GOVERNOR  
FRANKFORT, KENTUCKY 40601

JULIAN M. CARROLL  
GOVERNOR

June 1, 1979

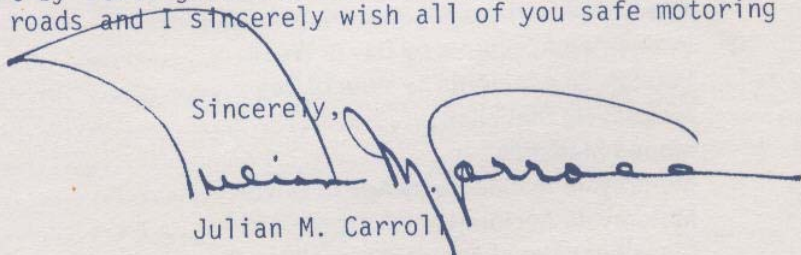
My Fellow Kentuckians:

The Highway transportation system is a vital element of our civilized society. The system provides access to people, goods, and services. Without such a system, economic and social prosperity would be impossible. As we review this report on Kentucky Traffic Accident Facts 1978, we can very readily see that such a system also brings with it much undue tragedy--the loss of life and property.

May I encourage you to review the report. Of course, it only provides us with a statistical point of view. It cannot express to us the painful tragedy of human suffering of those involved and those who have lost their loved ones. In review we see that 152,303 accidents were reported and that 893 people lost their lives in 785 fatal accidents. Although very little satisfaction can be derived from these statistics, it is encouraging to note that 65 fewer people were killed in 1978 than in 1977. Additional progress may be detected in Kentucky's 3.2 death rate per 100 million miles of travel. This represents the greatest death rate reduction on record.

Improved roads, new traffic laws, and the enforcement thereof, certainly continue to play an important role in our safety efforts. However, the courtesy and common sense approach by all traffic users remains a paramount ingredient in the safety of our transportation system. I pledge an ongoing effort by state government toward increasing safety on our public streets and roads and I sincerely wish all of you safe motoring ahead.

Sincerely,

  
Julian M. Carroll



## FOREWORD

The annual report on Kentucky Traffic Accident Facts for 1978 is made possible by the statutory provisions contained in KRS 189.635. This statute designates the Bureau of Kentucky State Police as the central traffic accident report collection agency for the Commonwealth of Kentucky. Reports on both rural and urban traffic collisions are submitted by law enforcement agencies throughout the state. Those reports are coded, data processed, and analyzed by the Bureau. The continued cooperation of these various reporting agencies assures a meaningful picture of accident experience in Kentucky.

The following comments represent a number of statistical factors revealed by the statewide accident reporting program during 1978:

1. The Bureau collected and processed 152,303 police reported accidents from approximately 400 reporting agencies, a 3% increase over the year 1977.
2. Traffic accidents are caused by a combination of contributing circumstances that merge together at the same "time" and "place." In many accident situations there are a combination of contributing factors involved. The three (3) major elements involved—*Human*, *Vehicle*, and *Environment*—make up the transportation system and all three (3) play distinctive safety roles. Statistics continue to show that the Human element plays the major role in accident causes.
3. A young male driver operating a high powered motor vehicle on a rural roadway and striking various fixed objects alongside the roadway continues to pose a very hazardous traffic threat in Kentucky.
4. Kentucky experienced a 7% reduction in traffic deaths during 1978 while all accidents increased 3%.
5. The mileage death rate of 3.2 per 100 million miles of travel is the best on record for Kentucky and the reduction of accident severity is highly significant.

We wish to acknowledge and express appreciation for the splendid cooperation and support of contributing Law Enforcement Agencies throughout Kentucky.



## STATISTICAL HIGHLIGHTS

ACCIDENTS	1977	1978
1. TOTAL ACCIDENTS	147,647	152,303
2. FATAL ACCIDENTS	810	785
3. NON-FATAL INJURY ACCIDENTS	28,679	29,019
4. PROPERTY DAMAGE ACCIDENTS	118,158	122,499
5. KILLED	958	893
6. INJURED	43,957	44,480
ANALYSIS		
1. SEVERITY RATE*	1-35-146	1-37-156
2. DEATH RATES (per fatal accident)	1.18	1.14
MILES TRAVELLED (per 100 million)	3.5	3.2
POPULATION (per 100 thousand)	27.7	25.7
LICENSED DRIVERS (per 100 thousand)	48.5	43.8
REGISTERED VEHICLES (per 100 thousand)	38.6	33.4
3. ECONOMIC LOSS (approximated)	\$481,810,000	\$436,280,000

\*Severity rate is ratio of non-fatal and property damage accidents to fatal accidents.

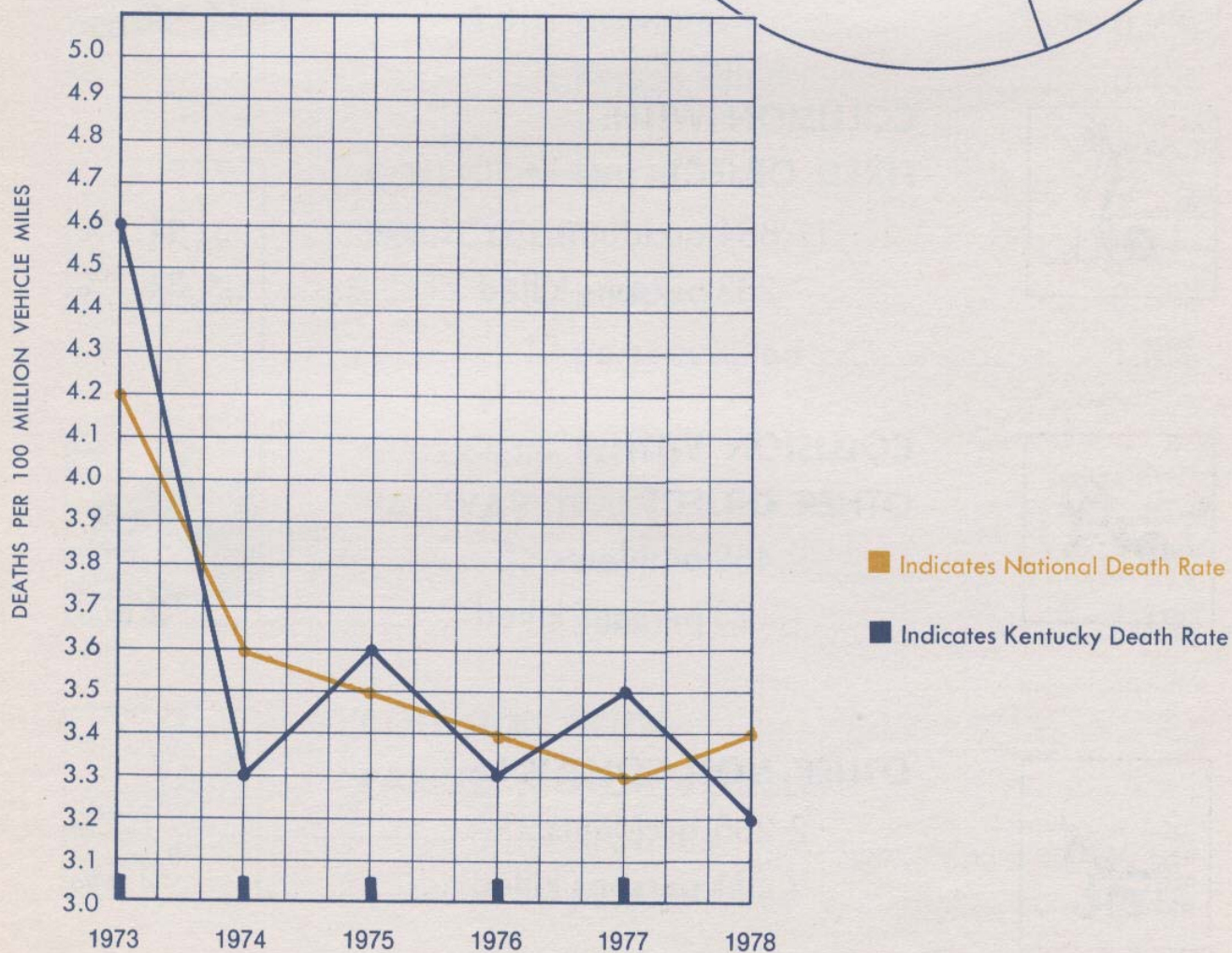
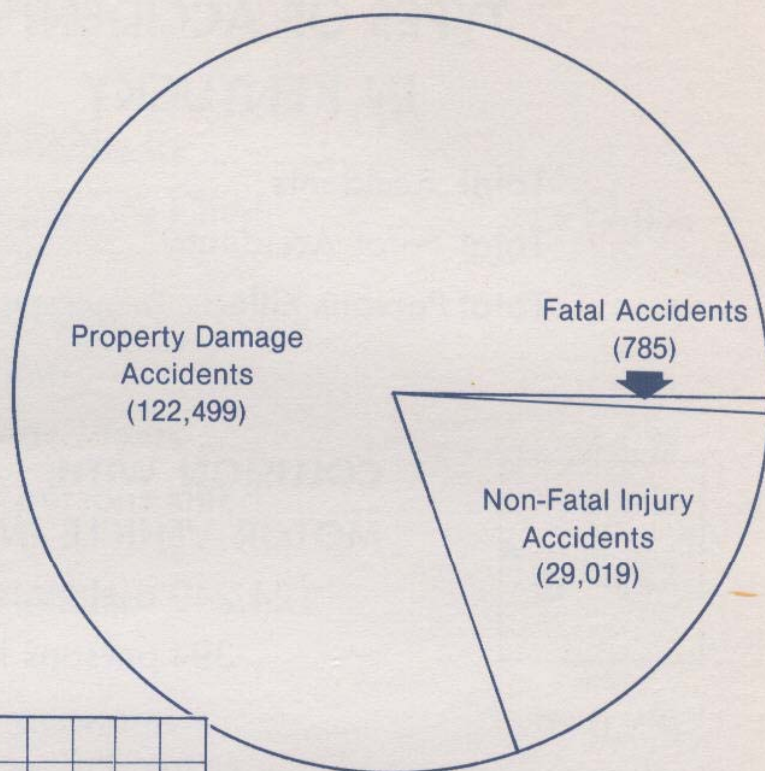
## 1977-1978 TRAFFIC ACCIDENTS AT A GLANCE

	1977	1978
DEATHS	958	893
INJURIES	43,957	44,480
TOTAL REPORTED ACCIDENTS	147,647	152,303
ANNUAL MOTOR VEHICLE MILEAGE	27,179,267,369	28,153,110,406
MOTOR VEHICLE REGISTRATION	2,482,694	2,672,728
DEATH RATE (FATALITIES PER 100,000,000 VEHICLE MILES)	3.5	3.2
DEATH RATE (FATALITIES PER 100,000 POPULATION)	27.70	25.69
INJURY PRODUCING ACCIDENTS:		
Fatal Accidents	810	785
Non-Fatal Injury Accidents	28,679	29,019
Percent of Total Accidents Which Were Fatal	.55%	.51%
Percent of Total Accidents Causing Non-Fatal Injuries	19.42%	19.05%



## 1978 TOTAL REPORTED ACCIDENTS: 152,303

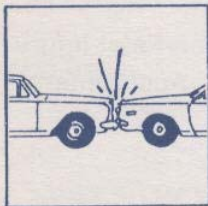
Although *fatal* accidents represent a very thin "spoke" in the total accident wheel, this spoke reflects the needless loss of 893 lives on Kentucky highways during 1978.





## TYPES OF ACCIDENTS IN KENTUCKY

Total Accidents .....	152,303
Total Fatal Accidents .....	785
Total Persons Killed .....	893



### COLLISION WITH: MOTOR VEHICLE IN TRANSPORT

124,249 accidents .....	81.6%
394 persons killed .....	44.1%



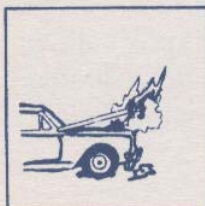
### COLLISION WITH: FIXED OBJECT

17,884 accidents .....	11.7%
283 persons killed .....	31.7%



### COLLISION WITH: OTHER OBJECT

2,458 accidents .....	1.6%
23 persons killed .....	2.6%



### OTHER NON-COLLISION:

2,265 accidents .....	1.5%
21 persons killed .....	2.4%





### **COLLISION WITH: PEDESTRIAN**

1,717 accidents ..... 1.1%  
107 persons killed ..... 12.0%



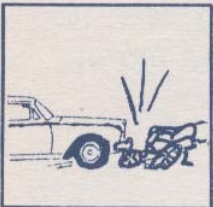
### **NON-COLLISION: OVERTURNING**

1,467 accidents ..... 1.0%  
42 persons killed ..... 4.7%



### **COLLISION WITH: ANIMAL**

1,109 accidents ..... 0.7%  
1 person killed ..... 0.1%



### **COLLISION WITH: PEDACYCLIST**

730 accidents ..... 0.5%  
12 persons killed ..... 1.3%



### **COLLISION WITH: RAILWAY TRAIN**

270 accidents ..... 0.2%  
10 persons killed ..... 1.1%

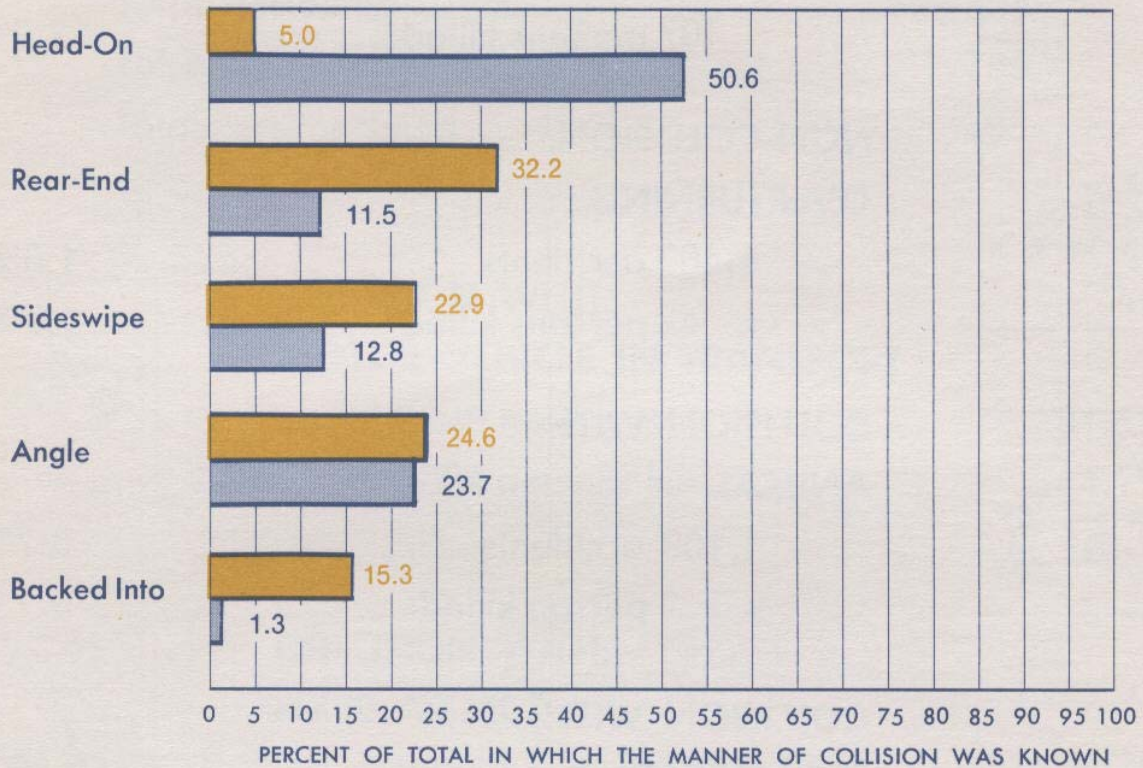


### **COLLISION WITH: PARKED MOTOR VEHICLE**

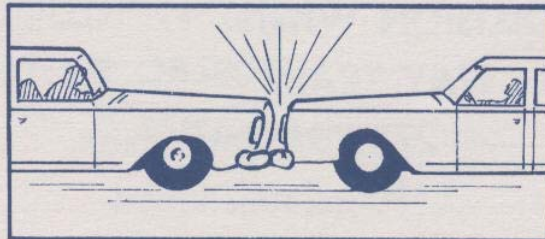
154 accidents ..... 0.1%  
0 persons killed ..... 0.0%



## MANNER OF TWO-VEHICLE COLLISION



■ All accidents  
■ Fatal accidents

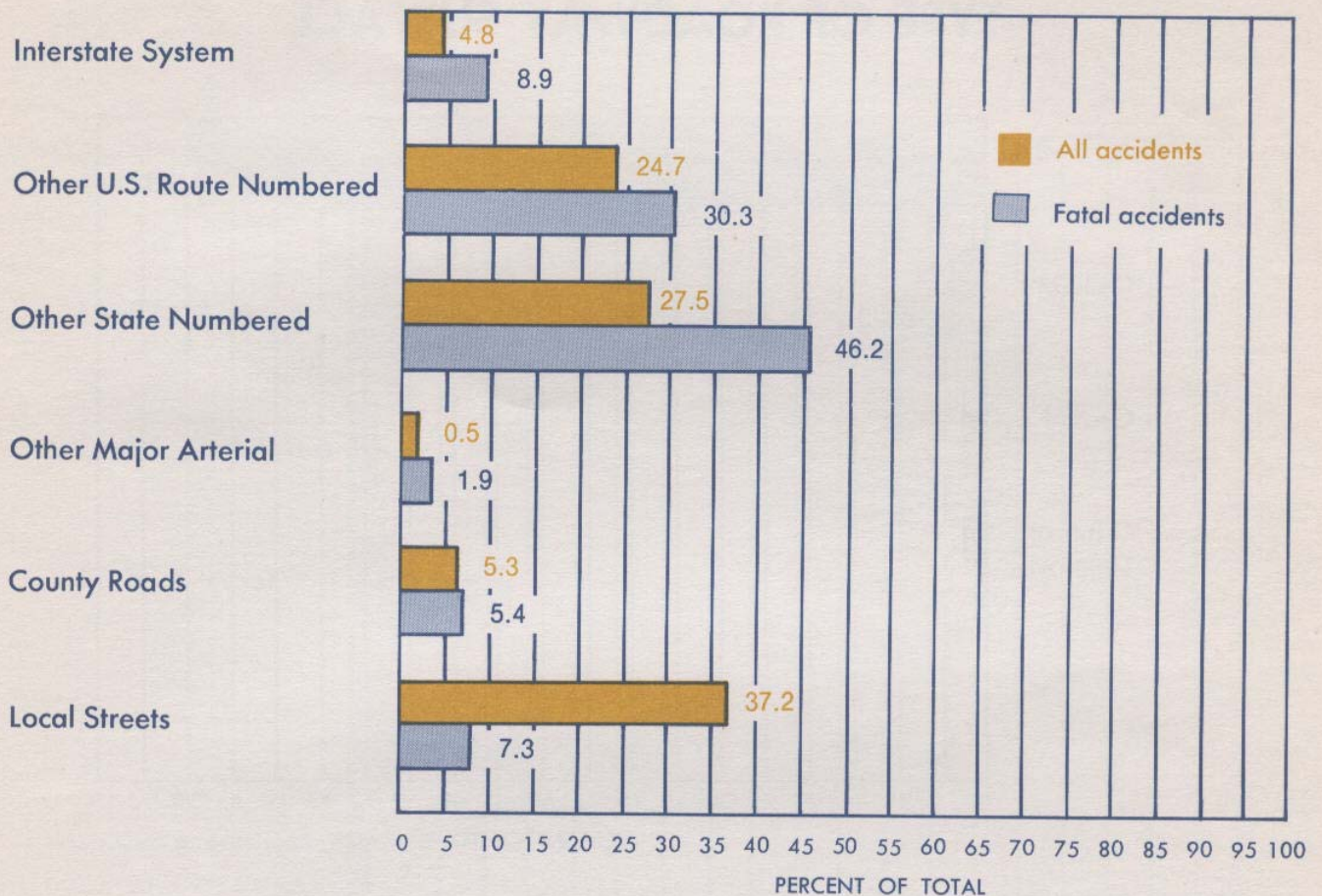


A total of 124,249 accidents, or 81.6% of all accidents were collisions involving two motor vehicles. Of those accidents in which the manner of collision was reported, the rear-end collision represents the most frequent accident. However, the graph shows a fairly even distribution of collisions which were either rear-end, sideswipe, or angle. Head-on and backing accidents make up just over 20% of the total.

The fatal accident statistics paint quite a different picture. Head-on collisions account for over half of all two motor vehicle fatal accidents. Angle collisions account for less than 25% of the total. The additional accidents consisted of rear-end, sideswipe, and backing collisions.



## CLASS OF TRAFFICWAY



**INTERSTATE SYSTEM** is any trafficway within the national system for interstate and defense trafficways.



**OTHER U.S. ROUTE NUMBERED** is any trafficway within the U.S. trafficway system, excluding interstate and other limited access trafficways.



**OTHER STATE ROUTE NUMBERED** is any trafficway within the state trafficway system, excluding other limited access trafficways.

**OTHER MAJOR ARTERIAL** is any trafficway, usually city streets and county highways, for which cross traffic is required to stop.

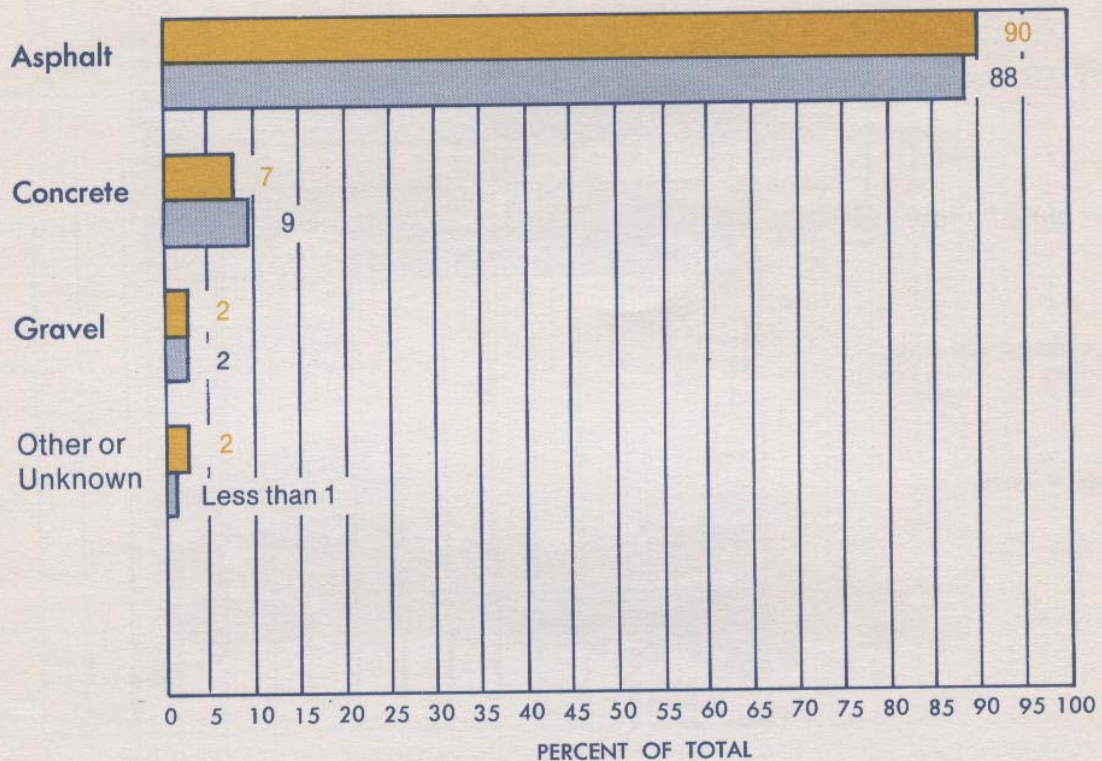
**COUNTY ROAD** is any trafficway within a county trafficway system that does not fall within the interstate, other limited access, U.S. route numbered, state route numbered, or other major arterial system.

**LOCAL STREET** is any trafficway within a city trafficway system that does not fall within the interstate, other limited access, U.S. route numbered, state route numbered, or other major arterial system.

(DEFINITIONS PUBLISHED BY NATIONAL SAFETY COUNCIL)

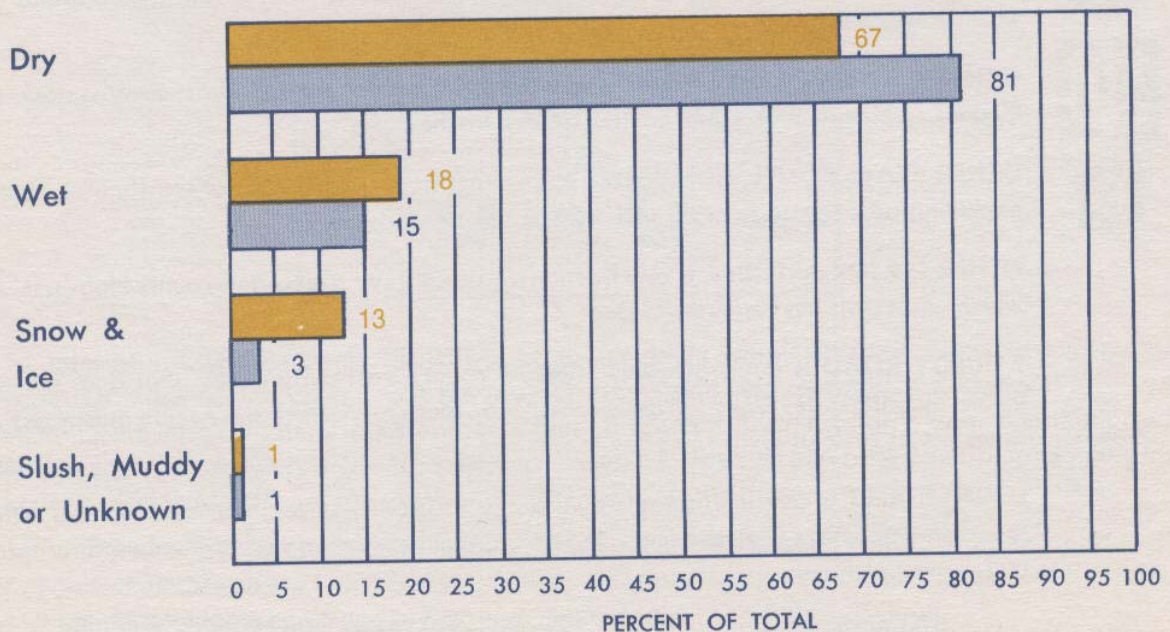


## TYPE OF ROADWAY SURFACE



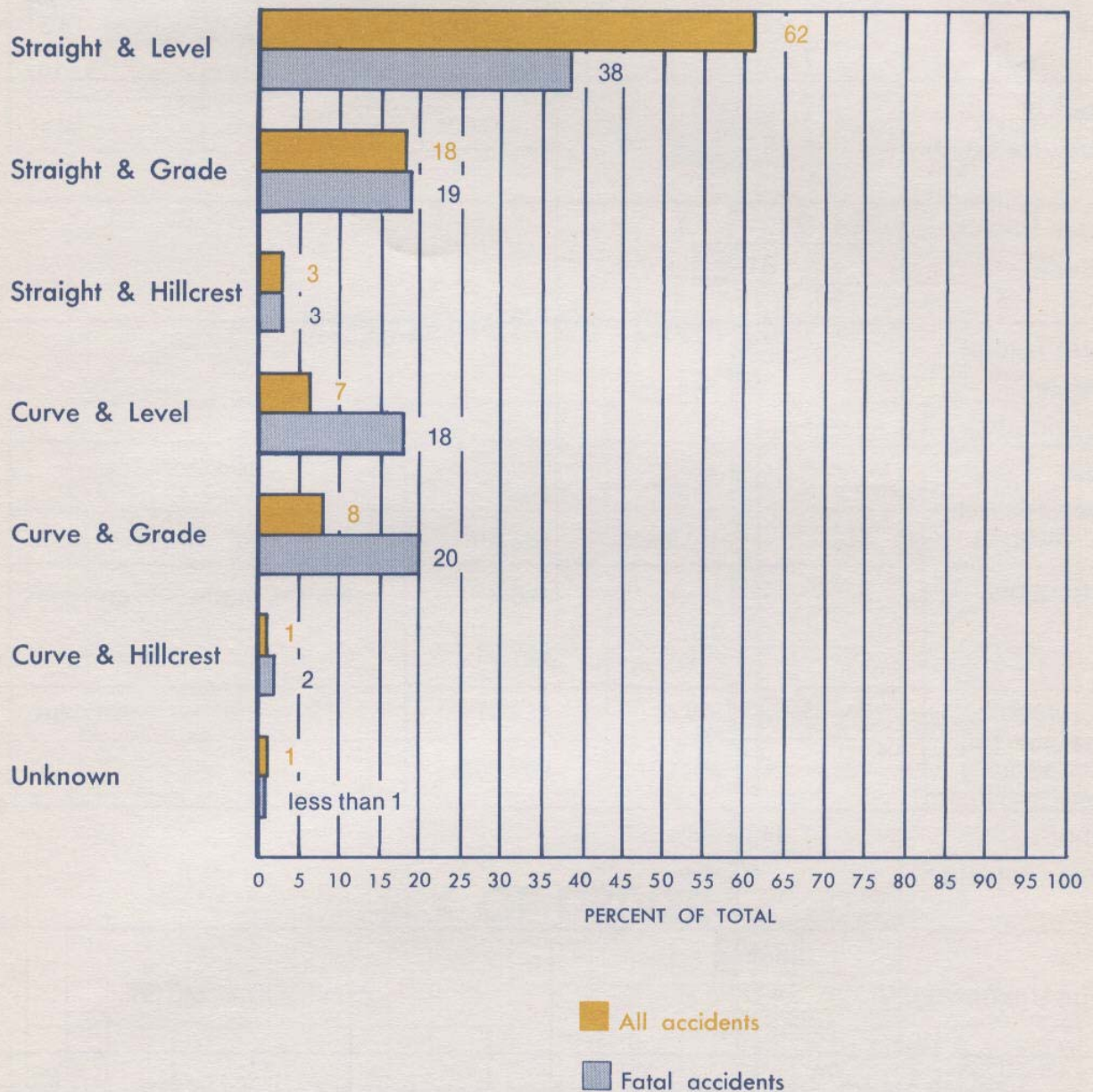
■ All accidents  
■ Fatal accidents

## CONDITION OF ROADWAY





# ROAD CHARACTER

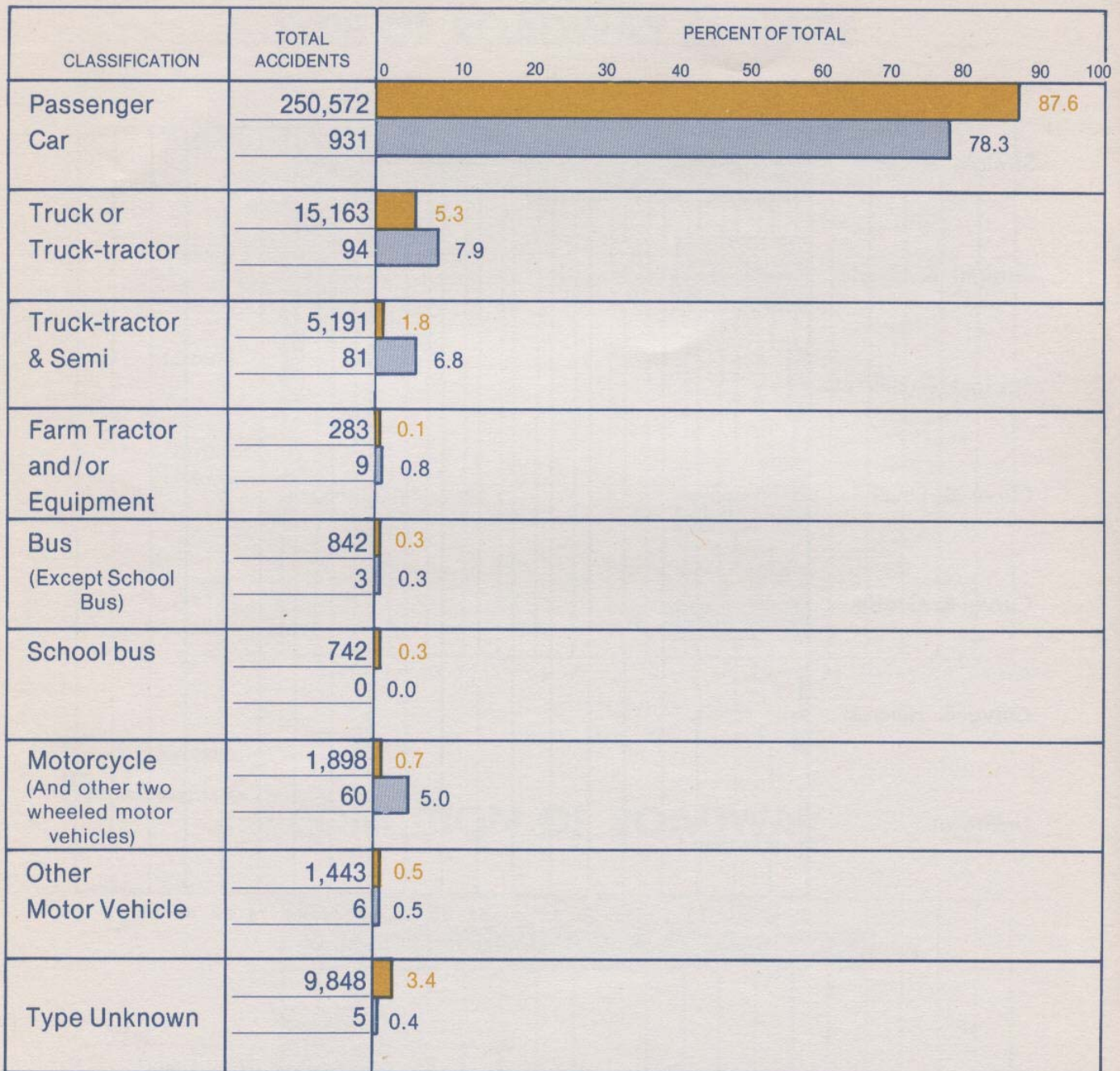


These percentages reveal the fact that a large portion of all accidents occur on straight and level roads. Curved roads seem to be a more prominent factor in fatal accidents than in the total of all accidents.



## TYPE OF VEHICLE

■ All Accidents  
■ Fatal Accidents



A total of 285,982 motor vehicles were involved in accidents in Kentucky in 1978. This figure includes 1,189 motor vehicles which were involved in fatal accidents. Note on the graph that the percentage of motorcycles and trucks involved in fatal accidents is somewhat higher than the percentage of all accidents in the same category.





## LOCATIONS OF ACCIDENTS

AREA	NUMBER OF ACCIDENTS	PERCENT OF TOTAL	FATAL ACCIDENTS	PERCENT OF TOTAL	INJURY ACCIDENTS	PERCENT OF TOTAL
Rural	71,977	47.3%	654	83.3%	17,688	61.0%
Urban	80,326	52.7%	131	16.7%	11,331	39.0%
Total	152,303	100.0%	785	100.0%	29,019	100.0%

## RESIDENCE OF DRIVER

RESIDENCE OF DRIVER	NUMBER INVOLVED IN ACCIDENTS	% OF TOTAL	NUMBER INVOLVED IN FATAL ACCIDENTS	% OF TOTAL
Local Resident	213,464	83.5%	937	81.1%
Residing elsewhere in state	8,591	3.4%	56	4.9%
Non-Resident	20,796	8.1%	156	13.5%
Unknown	12,938	5.0%	6	0.5%
Total	255,789	100.0%	1155	100.0%

## SEX OF DRIVER

### TOTAL ACCIDENTS

SEX	# IN ACCIDENTS	% IN ACCIDENTS
Male	166,178	69.2%
Female	74,072	30.8%
Total	240,250	100.0%

\*Does not include 15,539 cases in which sex was not reported.

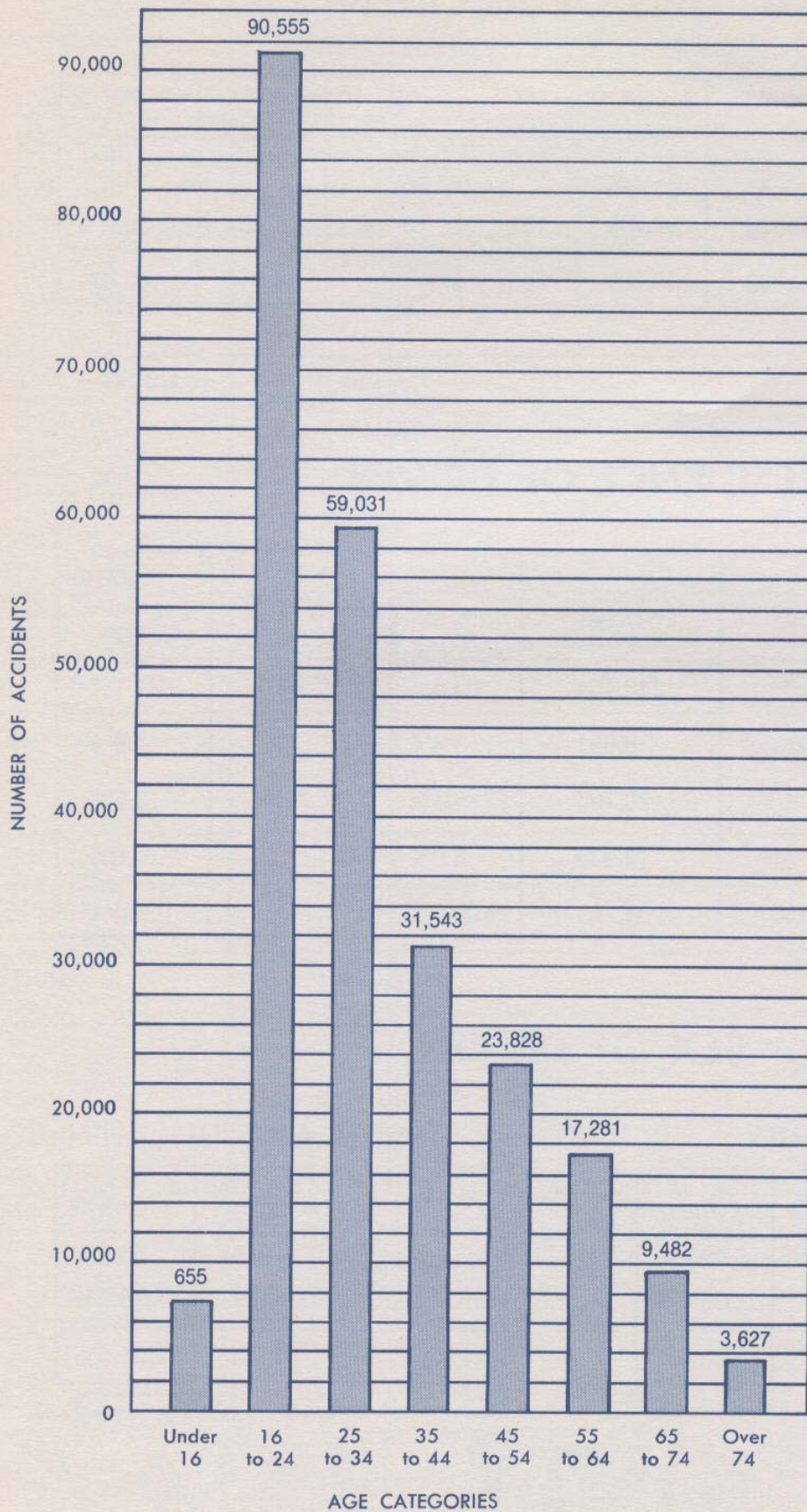
### FATAL ACCIDENTS

SEX	# IN FATAL ACCIDENTS	% IN FATAL ACCIDENTS
Male	955	83.2%
Female	193	16.8%
Total	1148	100.0%

\*Does not include 7 cases in which sex was not reported.



## TOTAL ACCIDENTS BY AGE OF DRIVER

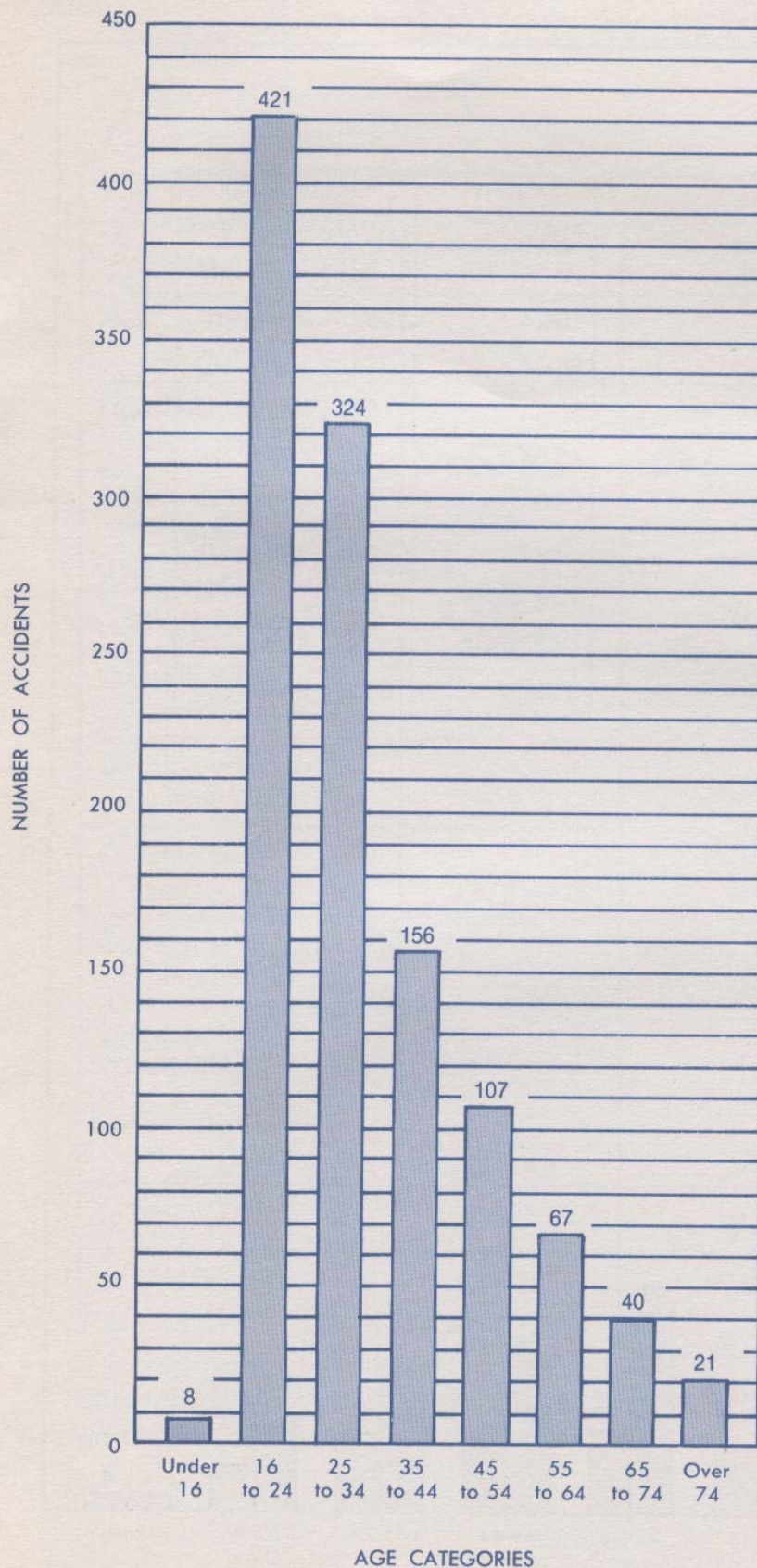


### NOTE:

1. All age categories do not contain an equal number of years.
2. These representations include non-licensed as well as licensed drivers.



## FATAL ACCIDENTS BY AGE OF DRIVER

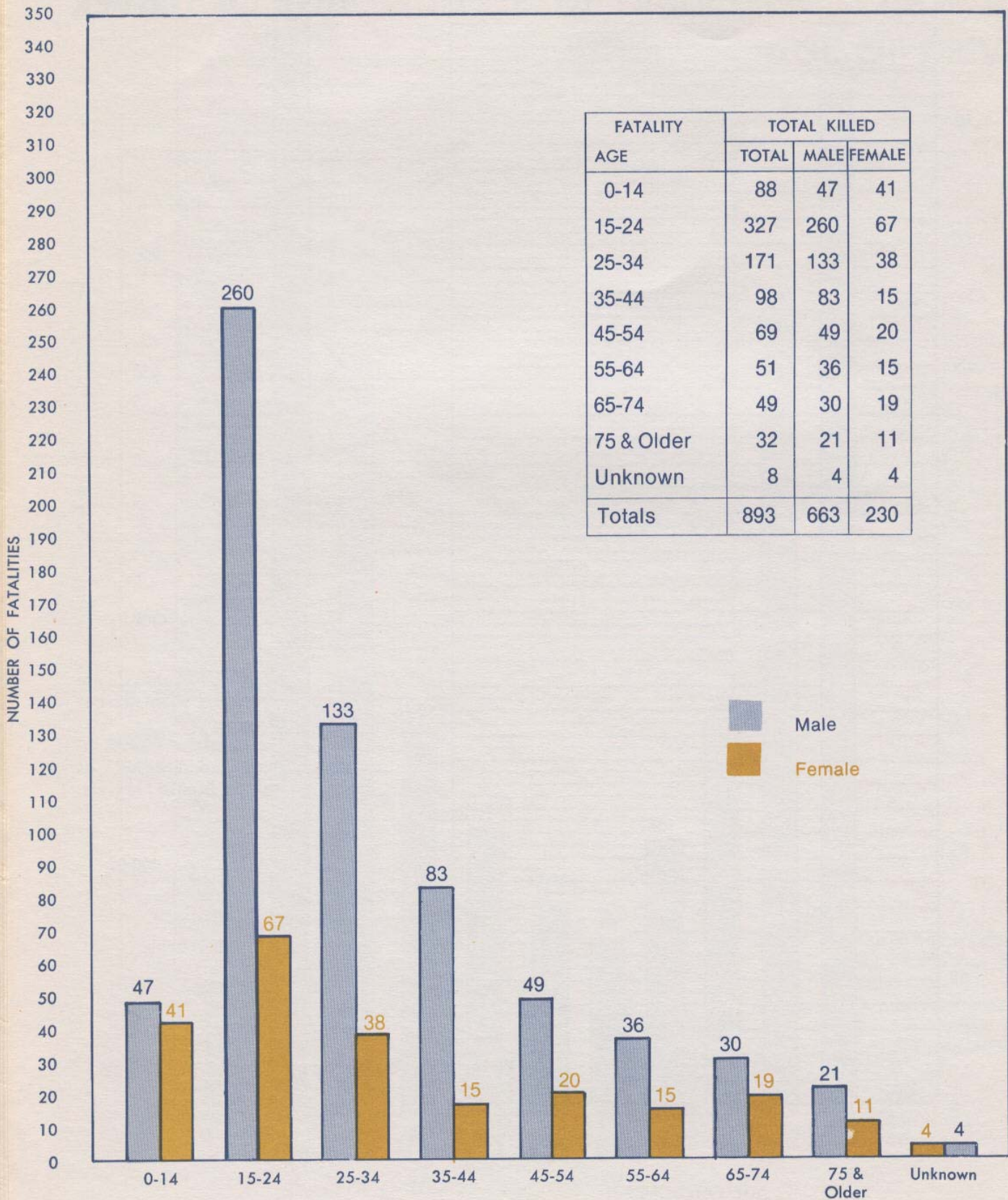


NOTE:

1. All age categories do not contain an equal number of years.
2. These representations include non-licensed as well as licensed drivers.



# FATALITIES BY AGE AND SEX





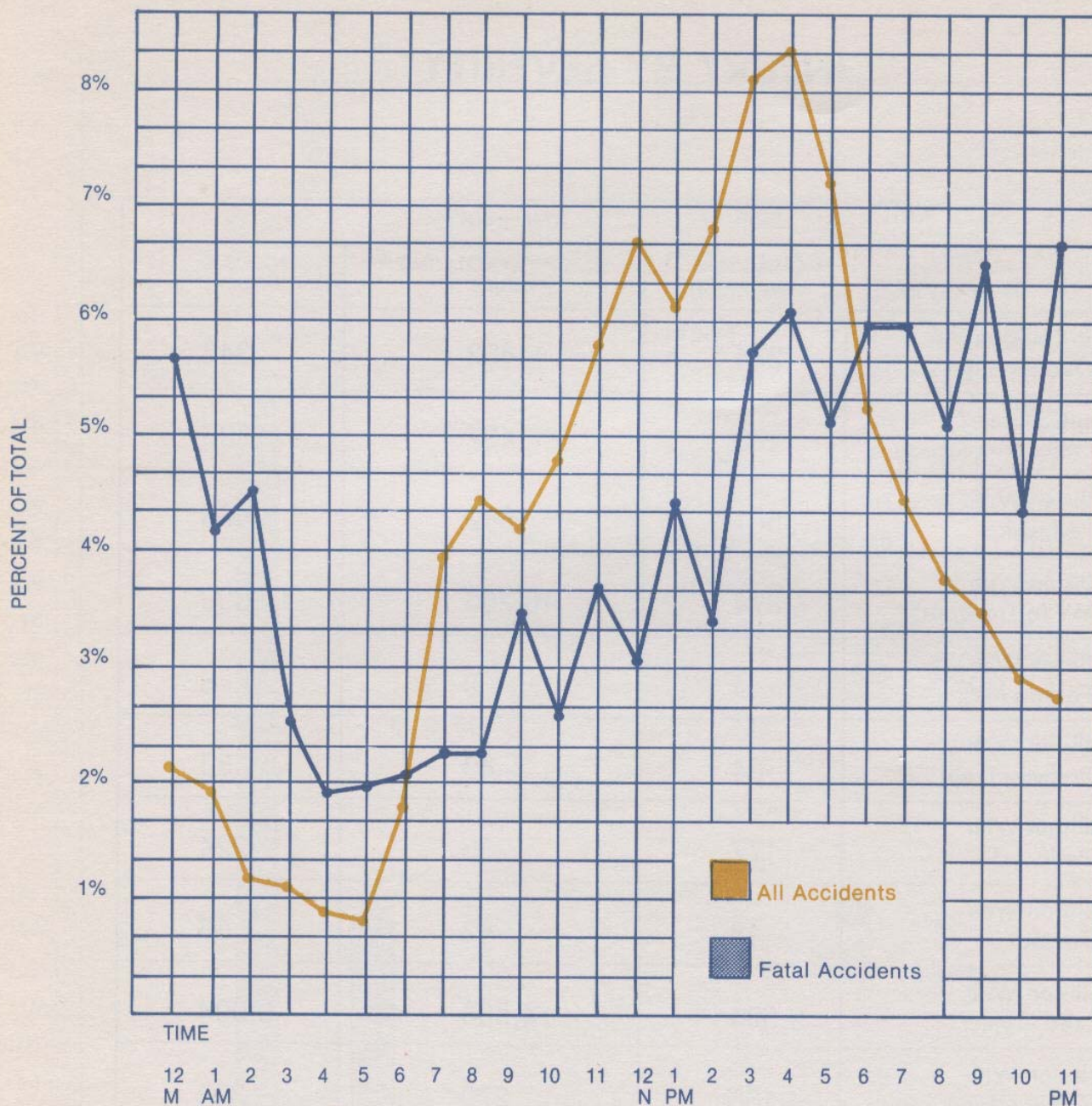
## INJURY BY SEVERITY

TYPE OF ACCIDENT	TYPE INJURY		
	INCAPACITATING INJURY	NON-INCAPACITATING INJURY	POSSIBLE INJURY
Non-Collision Overturning	274	482	346
Non-Collision Other Non-Collision	233	437	336
Collision With Pedestrian	581	542	575
Collision With MV In Transport	4,674	10,366	13,809
Collision With Parked MV	4	3	6
Collision With Railway Train	34	49	33
Collision With Pedacyclist	177	205	224
Collision With Animal	18	62	56
Collision With Fixed Object	2,594	4,536	3,094
Collision With Other Object	156	270	304
Total	8,745	16,952	18,783
% of all injuries	20%	38%	42%

Of the 152,303 motor vehicle accidents in Kentucky in 1978, 29,019, or approximately 19%, were classified as non-fatal injury accidents.



## HOUR OF OCCURRENCE



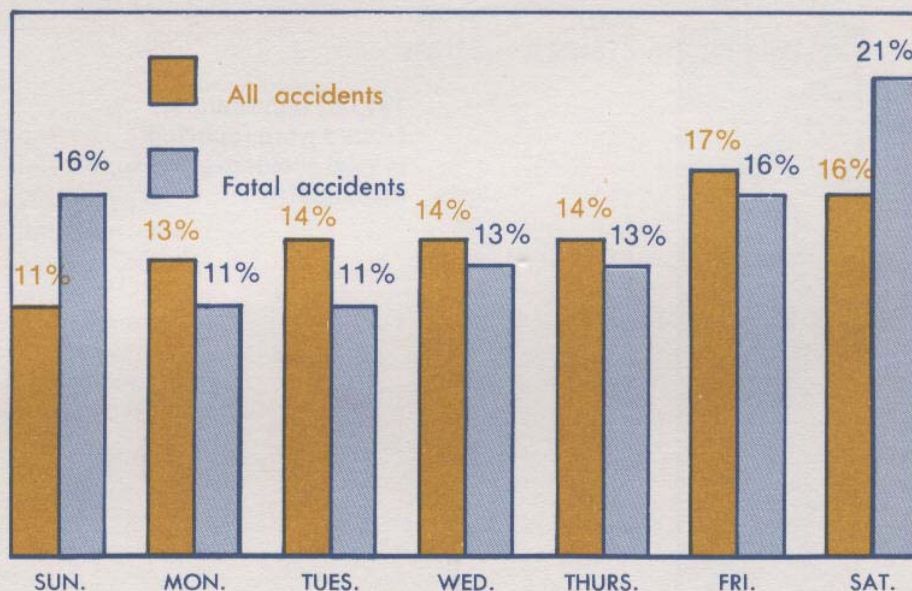
### FACTS CONCERNING HOUR OF OCCURRENCE:

1. Peak hours for all accidents were between 3:00 p.m. and 5:59 p.m.
2. The hours of 3:00 p.m. through 11:59 p.m. showed the highest frequency of fatal accidents with 407 of the 785 total fatal accidents occurring during this period. The peak hour for fatal accidents was 11:00 p.m.—11:59 p.m. with 52 occurring.
3. Hours of the day which represented the lowest frequency of accidents were between 3:00 a.m. and 5:59 a.m.
4. The period between 4:00 a.m. and 6:59 a.m. represents the lowest frequency of fatal accidents.
5. Graph does not include 1,797 accidents or 1 fatal accident in which the time of day was not reported.



## DAY OF OCCURRENCE

DAY	ALL ACCIDENTS	FATAL ACCIDENTS
Sunday	17,005	122
Monday	20,422	84
Tuesday	21,140	90
Wednesday	20,684	101
Thursday	21,622	100
Friday	26,553	125
Saturday	24,877	163



### POINTS OF INTEREST:

1. Friday represented the highest frequency of accidents, with a total of 26,553 accidents.
2. Saturday represented the highest frequency of fatal accidents with 163 of the 785 total fatal accidents. Friday and Sunday also had a relatively high frequency of fatal accidents, with 125 and 122 respectively.
3. The three day period of Friday, Saturday, and Sunday represent a total of 45% of all accidents and 52% of the fatal accidents.

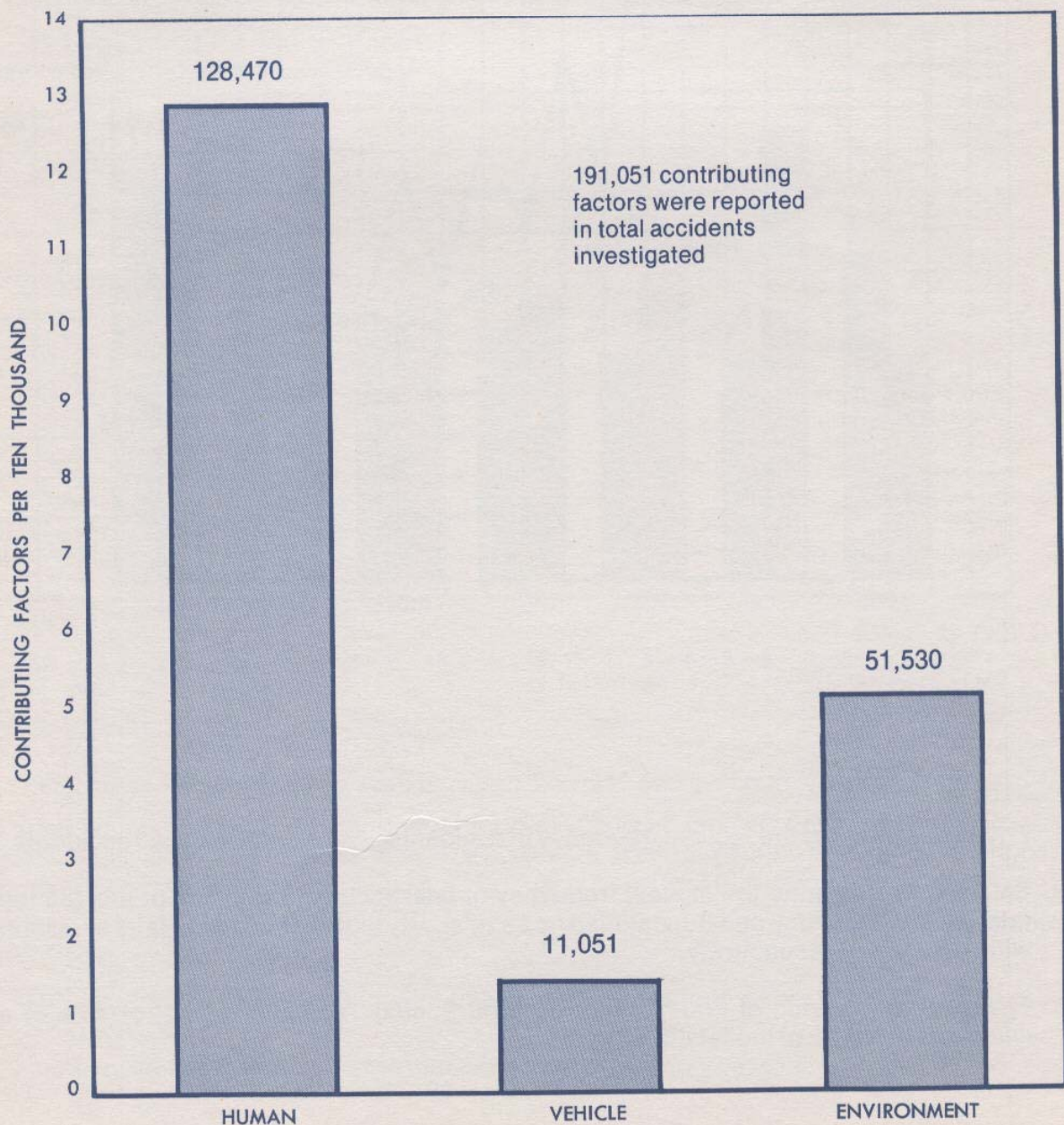


## CONTRIBUTING FACTORS

The contributing factors were tabulated from a total of 152,303 police reported accidents. The accidents were investigated by more than 4,000 officers representing over 400 different agencies.

The summary will show that the total number of contributing factors do not coincide with the 152,303 accidents reported. The number of contributing factors will vary from accident to accident for various reasons; (1) investigative techniques applied, (2) evidence visibly available, and (3) number of drivers and vehicles involved in the same accident.

### RELATIONSHIP OF MAJOR FACTORS TO TOTAL CONTRIBUTING FACTORS REPORTED





# CONTRIBUTING FACTORS RECORDED

## A. HUMAN

	ALL ACCIDENTS		FATAL ACCIDENTS		NON-FATAL INJURY ACCIDENTS	
	1977	1978	1977	1978	1977	1978
1. Unsafe Speed	14407	13913	291	302	5217	5109
2. Failed To Yield Right Of Way	25883	26178	127	123	5165	5213
3. Following Too Close	7778	8044	8	5	1403	1437
4. Improper Passing	2116	2192	23	17	382	389
5. Disregard Traffic Controls	3517	3627	30	26	997	1054
6. Turning Improperly	4059	4050	8	4	457	426
7. Alcohol Involvement	9361	9228	183	194	3723	3581
8. Drug Involvement	328	385	2	5	117	137
9. Sick	158	180	1	5	61	41
10. Fell Asleep	1350	1426	14	21	621	645
11. Lost Consciousness	311	294	2	3	181	156
12. Driver Inattention	33628	35254	94	77	4965	5129
13. Distraction	2257	2438	6	10	514	569
14. Physical Disability	266	309	4	3	70	76
15. Other	17913	20952	121	105	3146	3525
16. None Detected	143045	145859	478	468	23226	23544
17. Not Stated	18779	20244	45	34	1715	1884
Totals	285156	294573	1437	1402	51960	52915

## B. VEHICULAR

1. Brakes Defective	3265	3211	8	11	776	764
2. Headlights Defective	95	113	1	0	44	41
3. Other Lighting Defects	441	479	5	2	108	104
4. Steering Failure	586	596	2	1	224	223
5. Tire Failure/Inadequate	1380	1432	24	28	504	544
6. Tow Hitch Defective	144	172	0	1	12	24
7. Over Or Improper Load	199	209	0	3	41	38
8. Oversized Load On Vehicle	178	173	0	3	26	15
9. Other	3981	4666	32	32	793	801
10. None Detected	246742	254117	1122	1080	44455	45321
11. Not Stated	19539	20934	38	32	1842	1959
Totals	276550	286102	1232	1193	48825	49834

## C. ENVIRONMENTAL

1. Animals Action	1447	1438	3	2	274	254
2. Glare	932	1139	3	8	234	273
3. View Obstructed/Limited	5346	6277	30	24	1236	1395
4. Debris In Roadway	633	757	4	3	164	191
5. Improper/Non-Working Traff. Cont.	326	360	1	2	82	104
6. Shoulders Defective	690	801	9	11	261	283
7. Holes/Deep Ruts/Bumps	676	892	5	8	200	219
8. Road Under Construction/Maint.	790	1056	3	6	215	247
9. Improperly Parked Vehicle(s)	1008	1109	4	6	133	141
10. Fixed Object(s)	731	783	4	0	139	127
11. Slippery Surface	30726	31659	99	77	5579	5400
12. Water Pooling	860	979	6	7	203	280
13. Other	3336	4280	24	24	671	793
14. None Detected	211838	216800	999	989	37812	38594
15. Not Stated	17863	18749	39	29	1780	1737
Totals	277202	287079	1233	1196	48983	50038

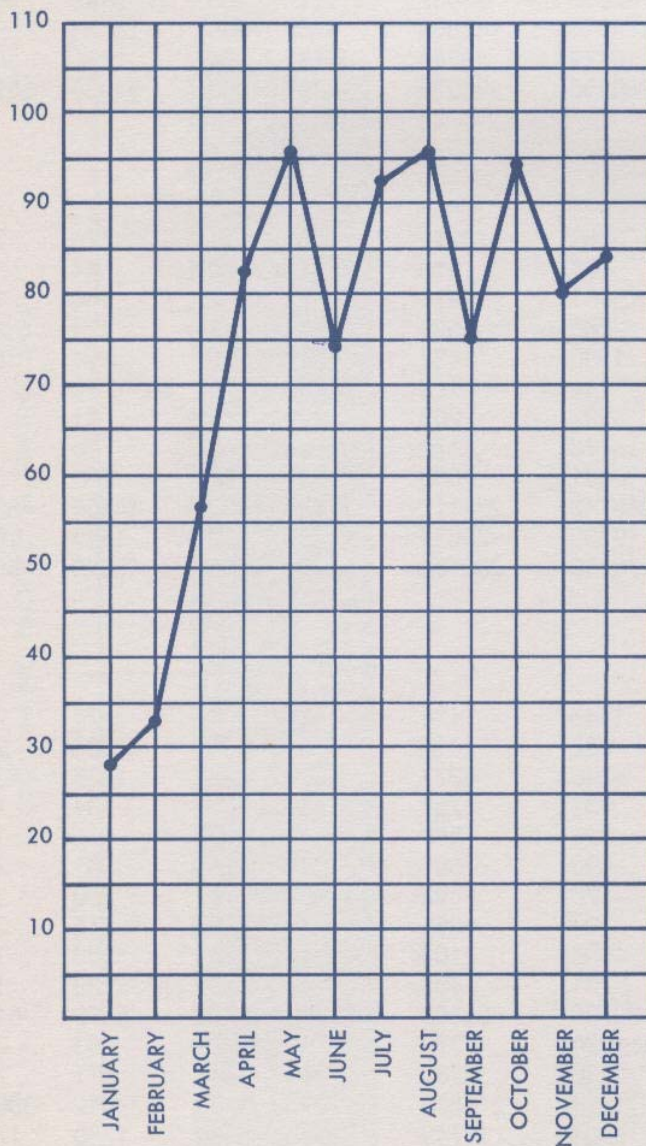


## FATALITIES BY MONTH

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
28	33	57	83	96	74

JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
93	96	75	94	80	84



In 1978 there were 893 motor vehicle fatalities in Kentucky. Over 40% of these occurred in the spring and summer months between May 1 and August 31. May and August each had 96 fatalities, an average of 3.1 fatalities per day. The month with the fewest fatalities was January, with 28.



# FATALITY CALENDAR

JANUARY						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
3	★	1	1	1	2	★
8	9	10	11	12	13	14
3	★	★	★	1	1	★
15	16	17	18	19	20	21
★	★	★	2	★	★	1
22	23	24	25	26	27	28
★	3	6	2	★	★	★
29	30	31				
1	★	★				

FEBRUARY						
S	M	T	W	T	F	S
			1	2	3	4
			★	★	2	4
5	6	7	8	9	10	11
1	★	1	1	1	1	★
12	13	14	15	16	17	18
2	2	★	★	2	1	★
19	20	21	22	23	24	25
1	2	2	★	1	2	★
26	27	28				
2	1	4				

MARCH						
S	M	T	W	T	F	S
			1	2	3	4
			1	1	★	★
5	6	7	8	9	10	11
2	5	1	5	2	4	5
12	13	14	15	16	17	18
★	3	3	★	★	2	4
19	20	21	22	23	24	25
2	1	★	★	1	1	7
26	27	28	29	30	31	
★	1	★	4	★	2	

APRIL						
S	M	T	W	T	F	S
						1
						4
2	3	4	5	6	7	8
★	6	3	3	1	5	4
9	10	11	12	13	14	15
6	★	2	3	4	4	3
16	17	18	19	20	21	22
5	★	2	3	★	3	6
23	24	25	26	27	28	29
3	1	2	1	1	4	★
30						
4						

MAY						
S	M	T	W	T	F	S
	1	2	3	4	5	6
	2	2	6	2	1	1
7	8	9	10	11	12	13
1	5	1	4	4	5	4
14	15	16	17	18	19	20
1	1	★	4	3	3	5
21	22	23	24	25	26	27
4	3	4	4	5	3	7
28	29	30	31			
4	1	5	1			

JUNE						
S	M	T	W	T	F	S
				1	2	3
				2	3	4
4	5	6	7	8	9	10
5	4	1	2	4	2	5
11	12	13	14	15	16	17
2	★	2	1	3	2	5
18	19	20	21	22	23	24
7	★	★	1	2	6	4
25	26	27	28	29	30	
★	★	3	2	2	★	

JULY						
S	M	T	W	T	F	S
						1
						7
2	3	4	5	6	7	8
4	4	2	2	3	2	5
9	10	11	12	13	14	15
3	3	3	4	4	3	2
16	17	18	19	20	21	22
4	5	1	2	★	2	4
23	24	25	26	27	28	29
5	3	★	★	1	3	4
30	31					
5	3					

AUGUST						
S	M	T	W	T	F	S
		1	2	3	4	5
		2	2	3	3	8
6	7	8	9	10	11	12
2	1	1	1	6	5	3
13	14	15	16	17	18	19
3	4	5	1	4	6	5
20	21	22	23	24	25	26
★	4	★	1	1	2	9
27	28	29	30	31		
4	2	1	1	6		

SEPTEMBER						
S	M	T	W	T	F	S
					1	2
					5	3
3	4	5	6	7	8	9
1	2	5	5	2	3	4
10	11	12	13	14	15	16
★	★	★	1	2	4	2
17	18	19	20	21	22	23
1	2	2	5	3	1	5
24	25	26	27	28	29	30
1	1	2	6	2	★	5

OCTOBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
3	2	★	4	4	4	5
8	9	10	11	12	13	14
2	2	★	★	1	4	3
15	16	17	18	19	20	21
6	1	1	6	5	5	5
22	23	24	25	26	27	28
4	★	3	★	1	4	6
29	30	31				
2	3	8				

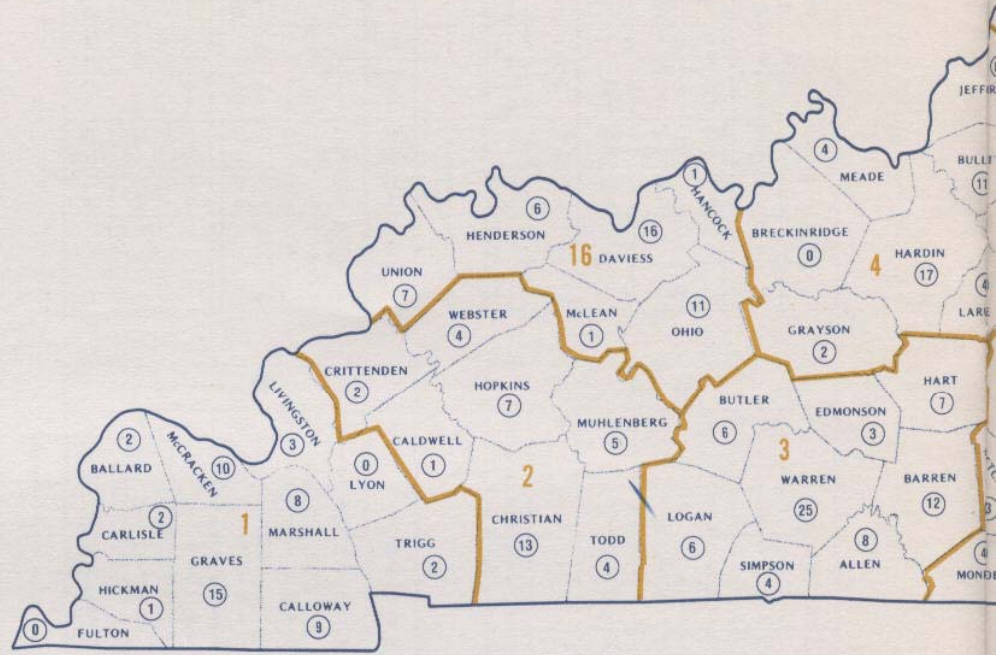
NOVEMBER						
S	M	T	W	T	F	S
			1	2	3	4
			5	★	2	3
5	6	7	8	9	10	11
2	5	3	1	3	1	2
12	13	14	15	16	17	18
4	1	3	1	6	3	1
19	20	21	22	23	24	25
5	3	1	3	4	3	4
26	27	28	29	30		
4	1	2	3	1		

DECEMBER						
S	M	T	W	T	F	S
					1	2
					4	4
3	4	5	6	7	8	9
7	3	5	1	5	2	5
10	11	12	13	14	15	16
★	1	1	1	1	2	4
17	18	19	20	21	22	23
2	3	2	3	1	3	3
24	25	26	27	28	29	30
1	4	2	2	5	2	3
31						
2						

A ★ denotes no fatalities for that day.



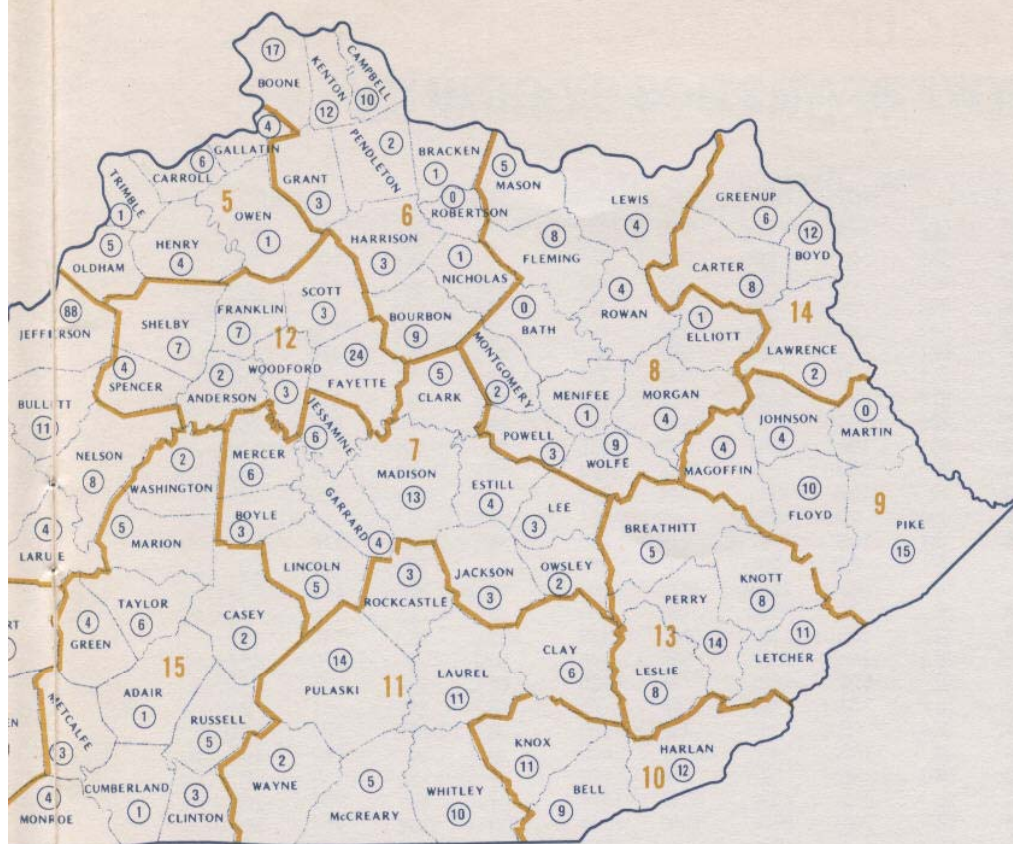
# FATAL ACCIDENTS BY COUNTY AND KENTUCKY STATE POLICE POST AREA



**COMPARISON OF FATAL ACCIDENTS BY POST**

POST	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	TOTAL
1977	50	55	61	179	24	57	59	38	40	27	50	46	23	22	41	38	810
1978	52	36	71	134	22	58	54	41	33	32	51	50	46	28	35	42	785





## FATAL ACCIDENTS IN KENTUCKY IN 1978: 785 PEOPLE KILLED: 893

Counties having no fatal accidents:

COUNTY	POPULATION (1970 CENSUS)
*Robertson	2,163
Bath	9,235
Breckinridge	14,789
Fulton	10,183
Lyon	5,562
Martin	9,377

\*Robertson county had no fatal accidents for the fourth consecutive year.

Counties having the most fatal accidents:

COUNTY	# FATAL ACCIDENTS	# KILLED	POPULATION
Jefferson	88	94	695,055
Warren	25	36	57,432
Fayette	24	27	174,323
Boone	17	20	32,812
Hardin	17	20	78,421
Daviess	16	22	79,486



# COMPARATIVE STATISTICS BY COUNTY

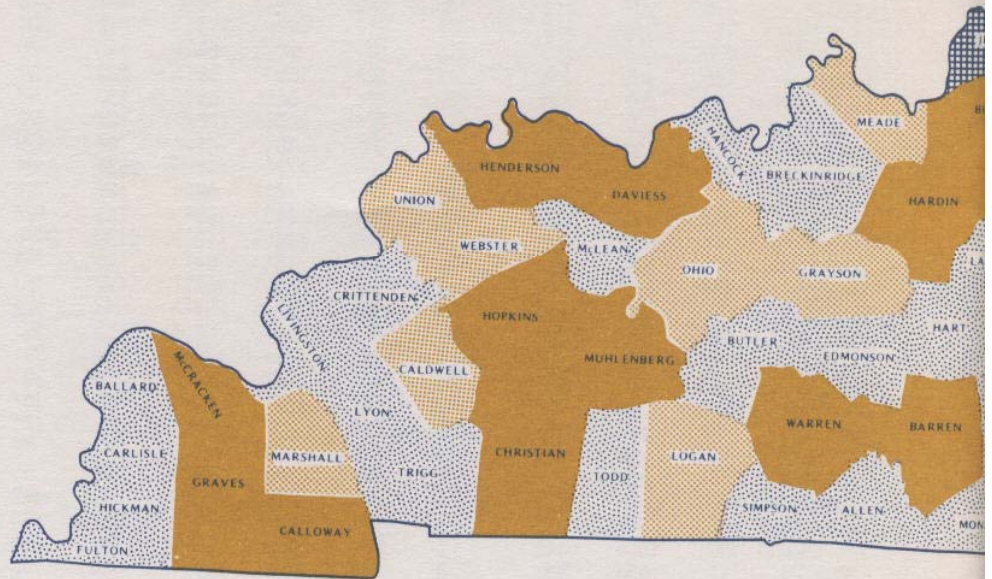
COUNTY	TOTAL		FATAL		NON-FATAL		PROP. DAMAGE		KILLED		INJURED	
	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977
ADAIR	306	325	1	3	57	71	248	251	1	3	105	109
ALLEN	292	240	8	6	67	71	217	163	11	6	104	109
ANDERSON	422	421	2	-	97	83	323	338	3	-	162	129
BALLARD	275	204	2	-	83	78	190	126	2	-	135	118
BARREN	1295	1159	12	11	316	290	967	858	13	14	499	472
BATH	162	167	-	3	43	50	119	114	-	3	77	80
BELL	937	942	9	10	224	240	704	692	10	12	359	370
BOONE	3018	2654	17	8	559	509	2442	2137	20	10	867	768
BOURBON	764	743	9	7	192	178	563	558	11	7	323	279
BOYD	3246	2885	12	6	566	455	2668	2424	14	6	843	716
BOYLE	1104	1077	3	6	197	193	904	878	5	6	299	297
BRACKEN	97	78	1	7	15	20	81	51	1	7	24	44
BREATHITT	324	347	5	5	100	109	219	233	5	6	176	217
BRECKINRIDGE	419	504	-	9	92	99	327	396	-	13	152	164
BULLITT	1182	1172	11	14	286	293	885	865	11	20	441	489
BUTLER	268	265	6	6	74	76	188	183	6	7	116	134
CALDWELL	501	546	1	3	102	105	398	438	1	6	140	167
CALLOWAY	1095	1033	9	9	248	238	838	786	10	10	390	341
CAMPBELL	4429	4385	10	9	683	680	3736	3696	11	10	996	942
CARLISLE	105	126	2	2	38	49	65	75	2	4	61	80
CARROLL	539	492	6	6	96	96	437	390	6	7	154	161
CARTER	637	644	8	4	158	144	471	496	8	4	242	260
CASEY	284	179	2	4	66	52	216	123	2	5	115	101
CHRISTIAN	2506	2479	13	16	482	469	2011	1994	14	17	707	704
CLARK	1446	1312	5	10	281	269	1160	1033	5	13	417	390
CLAY	468	472	6	11	111	106	351	355	9	11	189	171
CLINTON	160	189	3	1	33	50	124	138	3	1	60	91
CRITTENDEN	235	273	2	3	70	73	163	197	2	4	106	102
CUMBERLAND	151	99	1	1	29	18	121	80	1	1	41	28
DAVISS	5045	4780	16	8	819	868	4210	3904	22	9	1226	1289
EDMONSON	209	228	3	6	72	81	134	141	3	10	116	160
ELLIOTT	109	150	1	6	24	51	84	93	1	6	38	82
ESTILL	288	275	4	2	53	58	231	215	5	2	95	104
FAYETTE	12051	11605	24	30	2295	2322	9732	9253	27	33	3418	3373
FLEMING	290	289	8	2	70	57	212	230	8	2	107	80
FLOYD	1097	1003	10	11	264	243	823	749	13	11	428	414
FRANKLIN	2108	2179	7	4	360	345	1741	1830	10	4	543	495
FULTON	291	146	-	1	50	46	241	99	-	1	76	65
GALLATIN	168	184	4	1	50	56	114	127	5	1	79	81
GARRARD	327	292	4	5	75	79	248	208	5	7	115	121
GRANT	620	581	3	4	160	167	457	410	3	4	254	253
GRAVES	1310	1176	15	8	260	288	1035	880	18	10	401	428
GRAYSON	670	609	2	5	141	134	527	470	2	7	226	227
GREEN	283	301	4	4	73	77	206	220	6	5	119	127
GREENUP	1137	997	6	6	260	218	871	773	6	6	445	347
HANCOCK	189	132	1	-	48	32	140	100	1	-	63	59
HARDIN	2745	2344	17	18	649	597	2079	1729	20	22	1055	999
HARLAN	1081	1344	12	12	249	298	820	1034	12	14	398	515
HARRISON	595	467	3	2	88	77	504	388	3	2	123	119
HART	383	357	7	7	107	123	269	227	8	9	175	217
HENDERSON	2478	2233	6	14	495	466	1977	1753	7	18	759	699
HENRY	350	327	4	3	87	68	259	256	4	3	122	118
HICKMAN	143	116	1	3	44	39	98	74	1	3	68	60
HOPKINS	1946	1735	7	15	413	410	1526	1310	7	21	626	596
JACKSON	167	187	3	1	32	48	132	138	3	1	51	76
JEFFERSON	39738	39537	88	114	6304	6124	33346	33299	94	126	8790	8689
JESSAMINE	815	831	6	10	148	148	661	673	8	12	233	246
JOHNSON	726	843	4	9	143	139	579	695	4	12	237	227
KENTON	8163	8901	12	16	1370	1330	6781	7555	14	16	1994	1887
KNOTT	292	282	8	1	83	91	201	190	9	1	187	146



## COMPARATIVE STATISTICS BY COUNTY

COUNTY	TOTAL		FATAL		NON-FATAL		PROP. DAMAGE		KILLED		INJURED	
	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977
KNOX	645	605	11	5	188	195	446	405	15	5	354	374
LARUE	340	357	4	5	88	98	248	254	5	7	143	160
LAUREL	1358	1299	11	8	282	303	1065	988	11	12	469	489
LAWRENCE	408	383	2	6	100	124	306	253	2	7	163	208
LEE	131	182	3	3	28	39	100	140	3	9	55	73
LESLIE	202	215	8	5	73	57	121	153	8	6	129	96
LETCHER	370	428	11	7	117	113	242	308	13	7	181	209
LEWIS	312	251	4	6	96	65	212	180	4	7	146	103
LINCOLN	401	406	5	9	103	90	293	307	5	16	178	157
LIVINGSTON	227	220	3	1	64	63	160	156	3	1	105	92
LOGAN	807	676	6	3	208	195	593	478	7	3	319	303
LYON	132	163	-	2	38	41	94	120	-	2	56	70
MCCRACKEN	3110	2938	10	13	472	441	2628	2484	12	14	734	674
MCCREARY	263	207	5	6	71	52	187	149	5	6	142	91
MCLEAN	221	185	1	4	74	58	146	123	1	5	128	102
MADISON	2509	2467	13	9	366	413	2130	2045	15	11	559	651
MAGOFFIN	245	268	4	5	75	94	166	169	4	6	147	181
MARION	620	593	5	6	118	107	497	480	7	8	171	151
MARSHALL	856	803	8	10	230	204	618	589	8	10	373	324
MARTIN	212	190	-	5	53	34	159	151	-	5	83	59
MASON	1095	962	5	4	166	127	924	831	5	5	249	204
MEADE	642	598	4	8	179	206	459	384	5	9	302	385
MENIFEE	68	87	1	3	16	27	51	57	1	3	19	52
MERCER	693	710	6	3	118	132	569	575	6	3	183	190
METCALF	113	118	3	4	29	36	81	78	3	4	63	64
MONROE	221	101	4	5	47	41	170	55	5	5	99	75
MONTGOMERY	659	606	2	4	120	115	537	487	3	5	190	175
MORGAN	349	202	4	3	87	79	258	120	4	5	142	124
MUHLENBURG	1013	1045	5	10	226	276	782	759	6	11	379	458
NELSON	1020	960	8	6	206	205	806	749	9	6	390	351
NICHOLAS	91	130	1	-	18	44	72	86	2	-	22	58
OHIO	544	615	11	7	130	167	403	441	17	9	195	258
OLDHAM	696	676	5	7	203	183	488	486	5	9	332	280
OWEN	170	136	1	4	41	39	128	93	1	5	65	66
OWSLEY	78	84	2	1	19	18	57	65	2	1	41	35
PENDLETON	287	289	2	4	65	81	220	204	3	4	105	150
PERRY	1163	981	14	5	254	247	895	729	17	7	410	389
PIKE	2019	2005	15	10	501	509	1503	1486	15	10	808	825
POWELL	299	246	3	-	74	62	222	184	3	-	116	114
PULASKI	1444	1353	14	5	274	273	1156	1075	17	7	463	410
ROBERTSON	25	30	-	-	7	13	18	17	-	-	14	18
ROCKCASTLE	359	414	3	7	75	104	281	303	3	7	115	160
ROWAN	814	791	4	2	149	158	661	631	4	2	221	252
RUSSELL	177	164	5	4	33	49	139	111	5	5	68	77
SCOTT	974	933	3	3	187	192	784	738	3	4	286	299
SHELBY	940	912	7	4	234	207	699	701	7	5	365	318
SIMPSON	489	456	4	2	110	133	375	321	4	2	188	215
SPENCER	159	99	4	2	57	41	98	56	4	2	97	65
TAYLOR	677	645	6	7	140	133	531	505	6	8	226	227
TODD	234	224	4	2	56	61	174	161	4	2	101	97
TRIGG	421	369	2	1	102	99	317	269	2	1	184	158
TRIMBLE	109	136	1	3	24	33	84	100	1	5	37	56
UNION	653	544	7	5	148	131	498	408	7	5	213	195
WARREN	4433	4272	25	20	784	801	3624	3451	36	25	1216	1267
WASHINGTON	283	319	2	2	51	45	230	272	2	2	77	68
WAYNE	441	308	2	5	81	61	358	242	2	5	126	99
WEBSTER	516	491	4	6	123	119	389	366	4	11	206	173
WHITLEY	1227	1040	10	8	232	197	985	835	10	9	391	314
WOLFE	160	172	9	5	39	39	112	128	13	8	93	68
WOODFORD	698	745	3	3	119	166	576	576	3	4	181	269
TOTAL	152303	147647	785	810	29019	28679	122499	118158	893	958	44480	43957

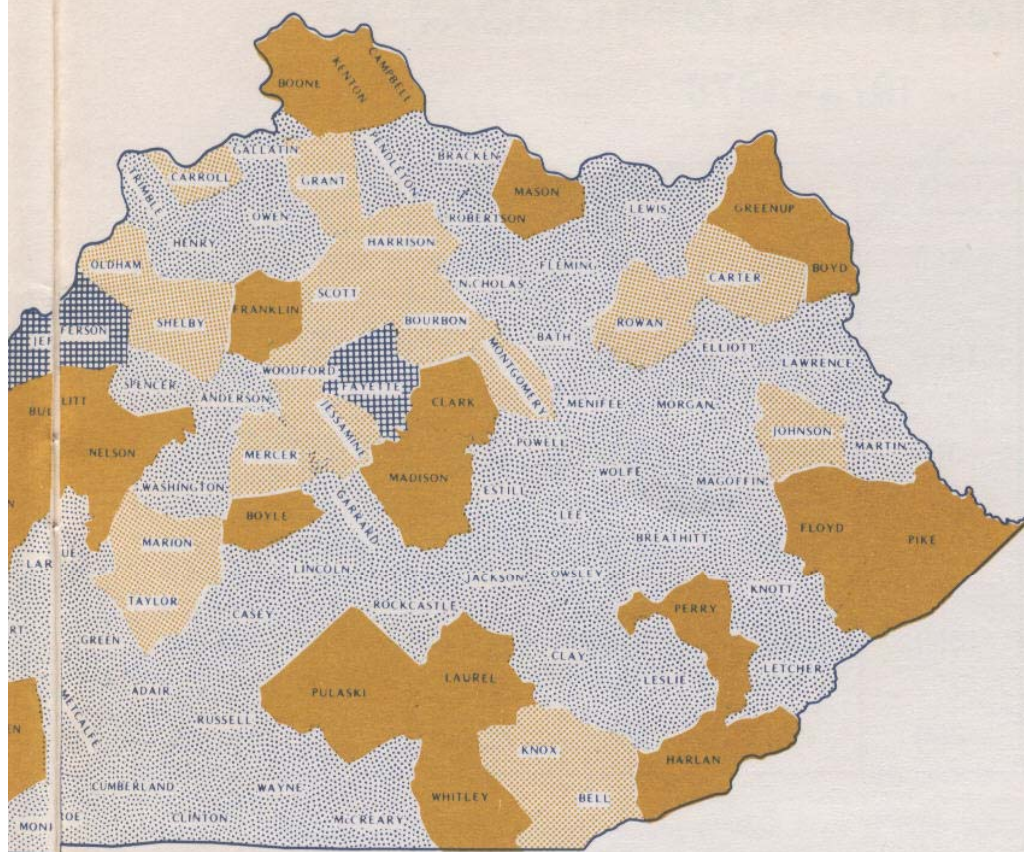




## TOTAL ACCIDENTS BY COUNTY

- Less than 500
- 500-1,000
- 1,001-10,000
- Over 10,000





## TOTAL NUMBER ACCIDENTS IN KENTUCKY IN 1978: 152,303

Counties having the most accidents in 1978:

COUNTY	# ACCIDENTS	POPULATION (1970 CENSUS)
Jefferson	39,738	695,055
Fayette	12,051	174,323
Kenton	8,163	129,440
Daviess	5,045	79,486
Warren	4,433	57,432
Campbell	4,429	88,561

Counties having less than 100 accidents in 1978:

COUNTY	# ACCIDENTS	POPULATION (1970 CENSUS)
Robertson	25	2,163
Menifee	68	4,050
Owsley	78	5,023
Nicholas	91	6,508
Bracken	97	7,227

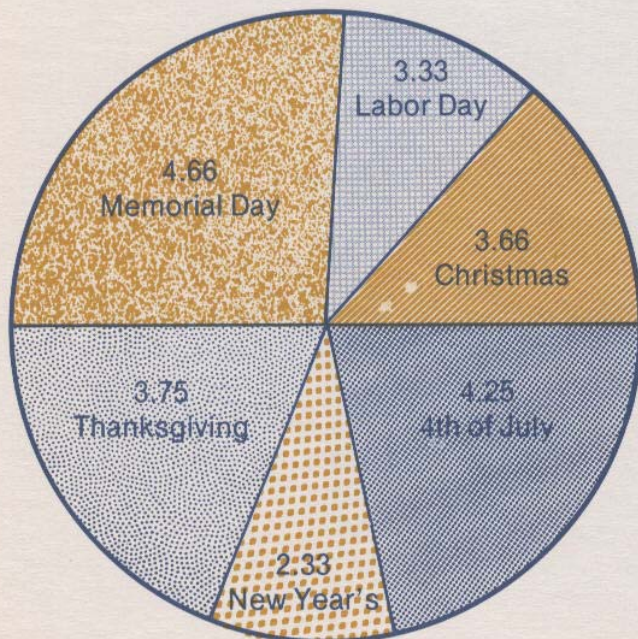


## FATALITIES BY MAJOR HOLIDAY 1973 - 1978

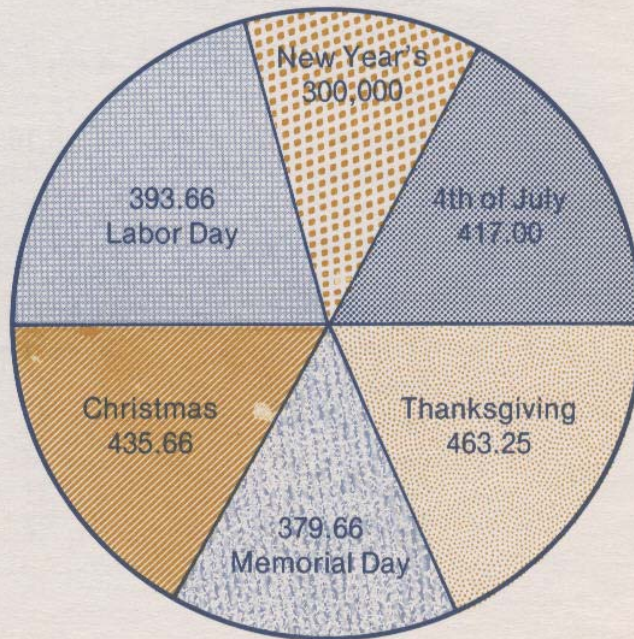
HOLIDAY	1973	1974	1975	1976	1977	1978
NEW YEAR'S total deaths	9(4)	3(1)	10(4)	9(4)	20(3)	7(3)
MEMORIAL DAY total deaths	14(3)	3(3)	13(3)	9(3)	9(3)	14(3)
FOURTH OF JULY total deaths	5(1)	11(4)	19(3)	18(3)	18(3)	17(4)
LABOR DAY total deaths	10(3)	5(3)	4(3)	6(4)	10(3)	10(3)
THANKSGIVING total deaths	16(4)	7(4)	8(4)	11(4)	17(4)	15(4)
CHRISTMAS total deaths	8(4)	7(1)	10(4)	7(3)	6(3)	11(3)

Figures in parenthesis show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

### DEATHS PER DAY



### ACCIDENTS PER DAY

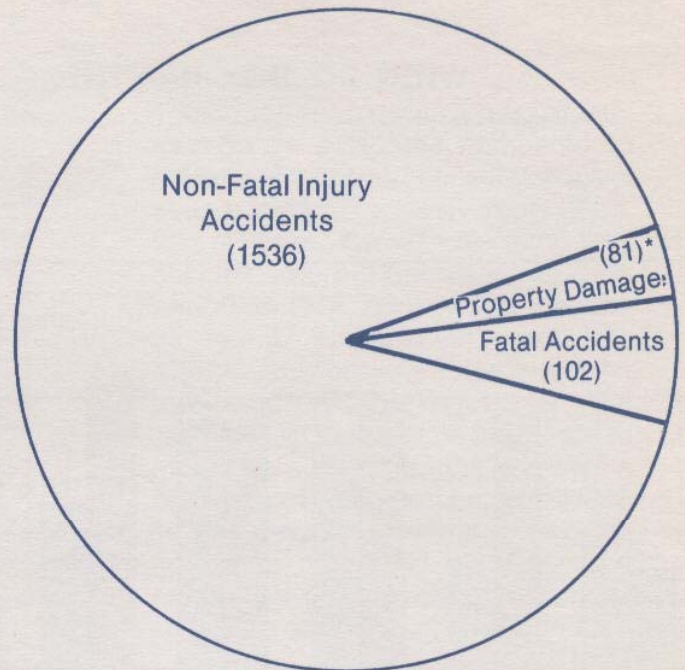




## ACCIDENTS INVOLVING PEDESTRIANS

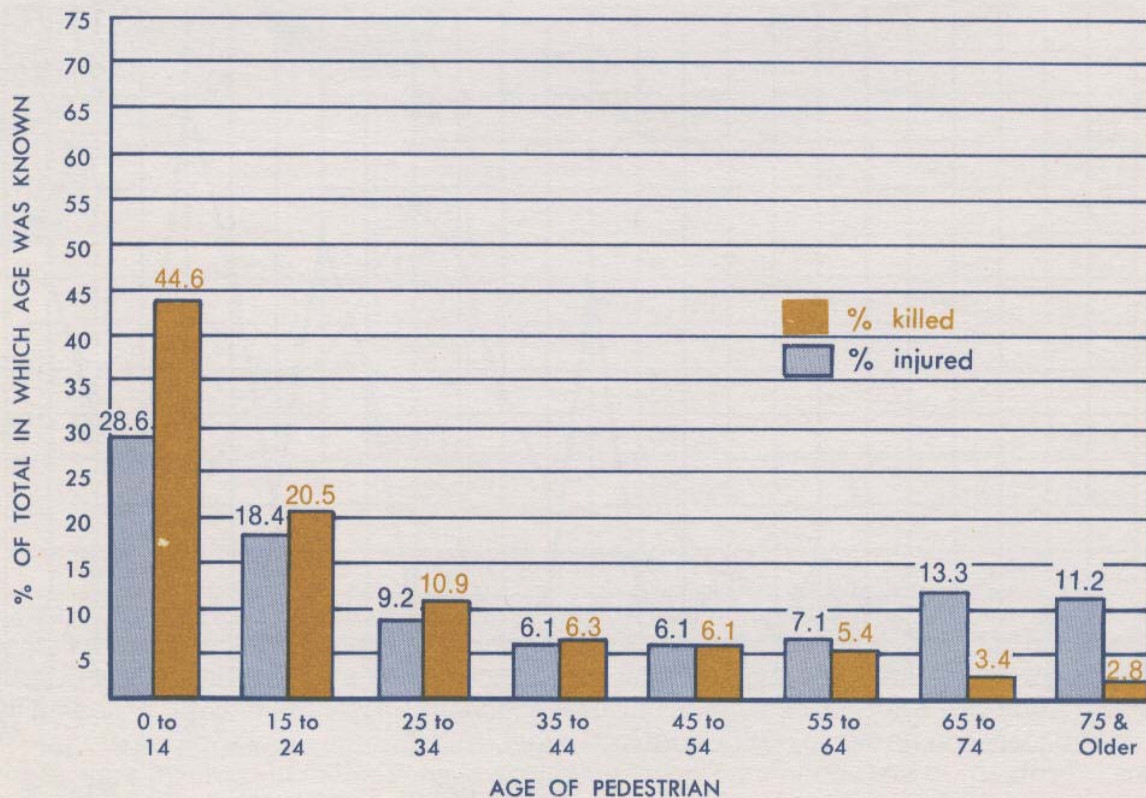
In 1978 there were 1719 accidents involving pedestrians. Of those, 102 (5.9%) were fatal accidents, killing 107 people. An additional 1700 people were injured in accidents involving pedestrians.

\* A property damage accident which involves a pedestrian is one which results in property damage but the pedestrian is unharmed. Example: A car swerves off the road and hits a pedestrian (pedestrian is unharmed). The vehicle continues, and collides with a telephone pole.



Numbers in parenthesis indicate number of accidents.

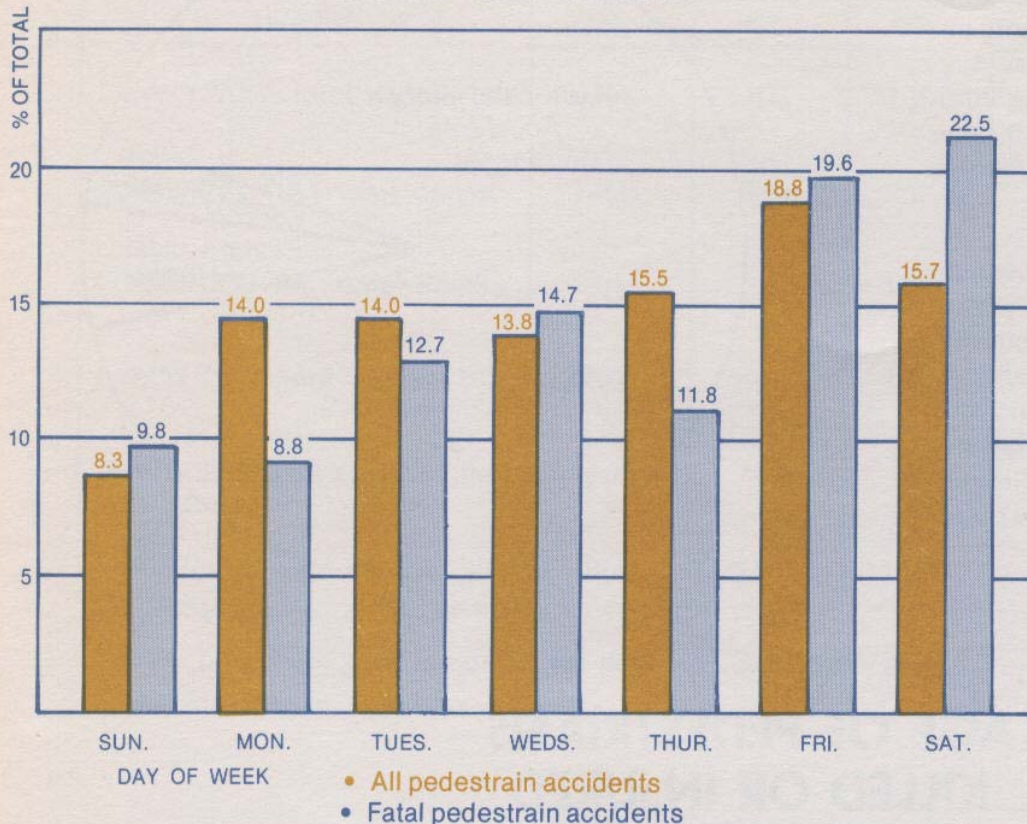
## AGE OF PEDESTRIANS KILLED OR INJURED



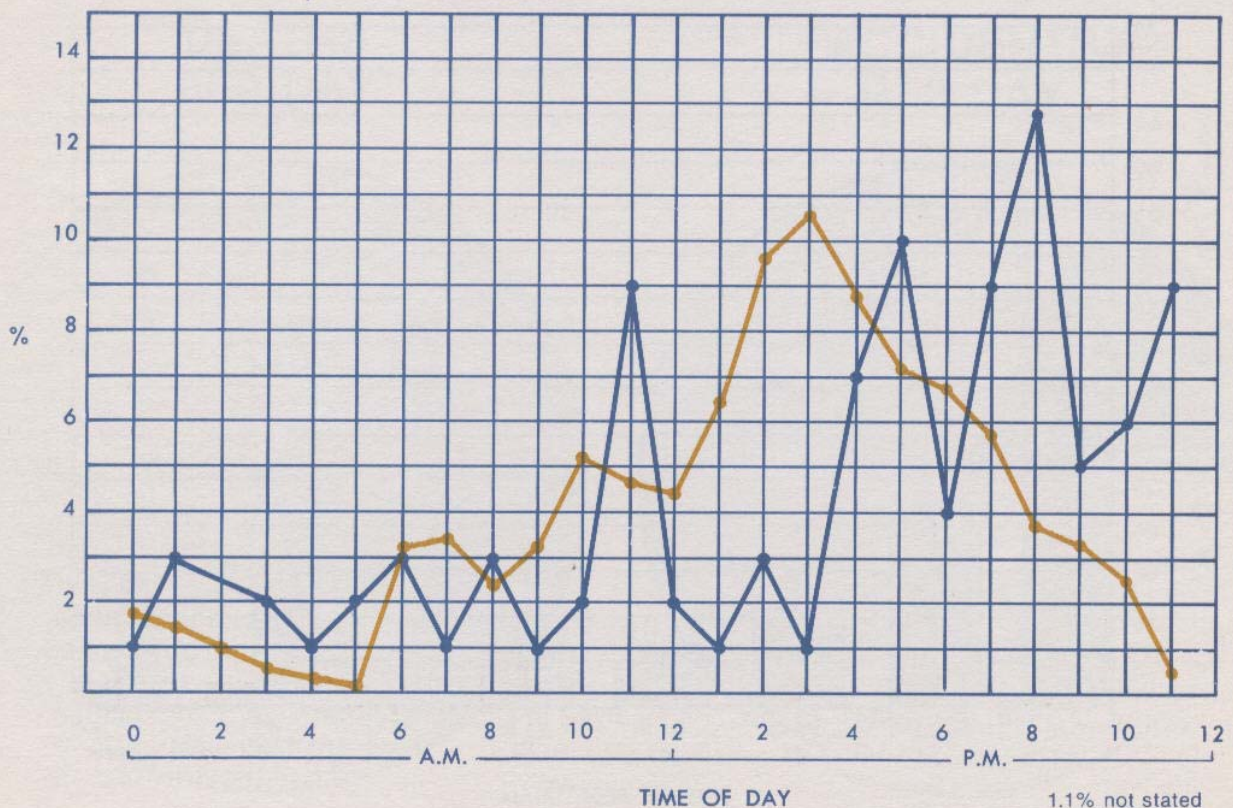


# ACCIDENTS INVOLVING PEDESTRIANS

## WHEN DO THEY HAPPEN?

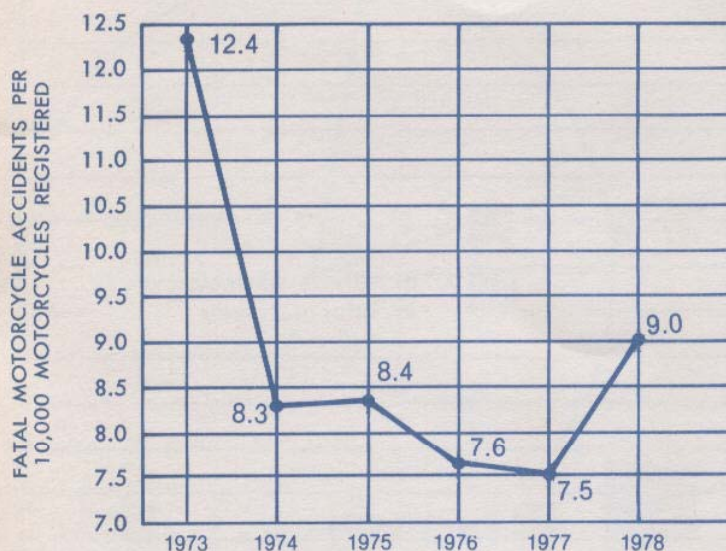


1. In 1978 more accidents involving pedestrians occurred on Fridays than any other day.
2. More fatal accidents (22.5%) occurred on Saturday than any other day.
3. There were fewer total accidents on Sundays, and fewer fatal accidents on Mondays.
4. The highest number of total accidents involving pedestrians occurred between 3 and 5 p.m.
5. The peak time for fatal pedestrian accidents was between 5 and 6 p.m. and 8 and 9 p.m.

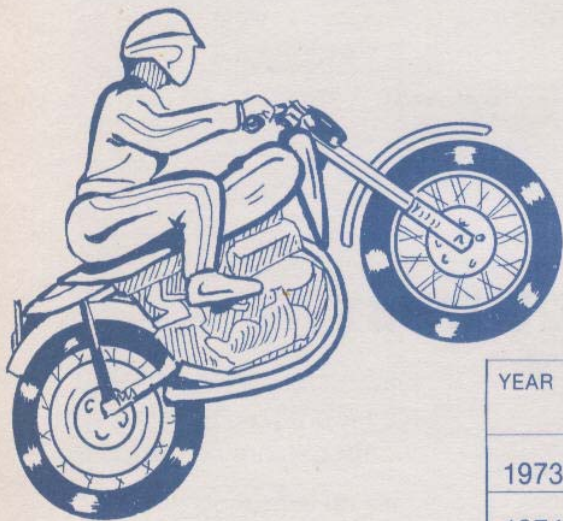




## MOTORCYCLE STATISTICS



This graph represents a ratio of fatal motorcycle accidents compared to motorcycle registrations over a six year period. The peak year, 1973, was also the year with the most fatal accidents during the stated six year period. In 1974, the year in which the 55 m.p.h. speed limit went into effect, motorcycle registrations increased by 18%. However, the ratio of fatal motorcycle accidents to motorcycle registrations showed a decrease of 33%. Comparing 1978 to 1977, the number of fatal motorcycle accidents increased by 20%. The number of motorcycle registrations showed a decrease of less than 1%.



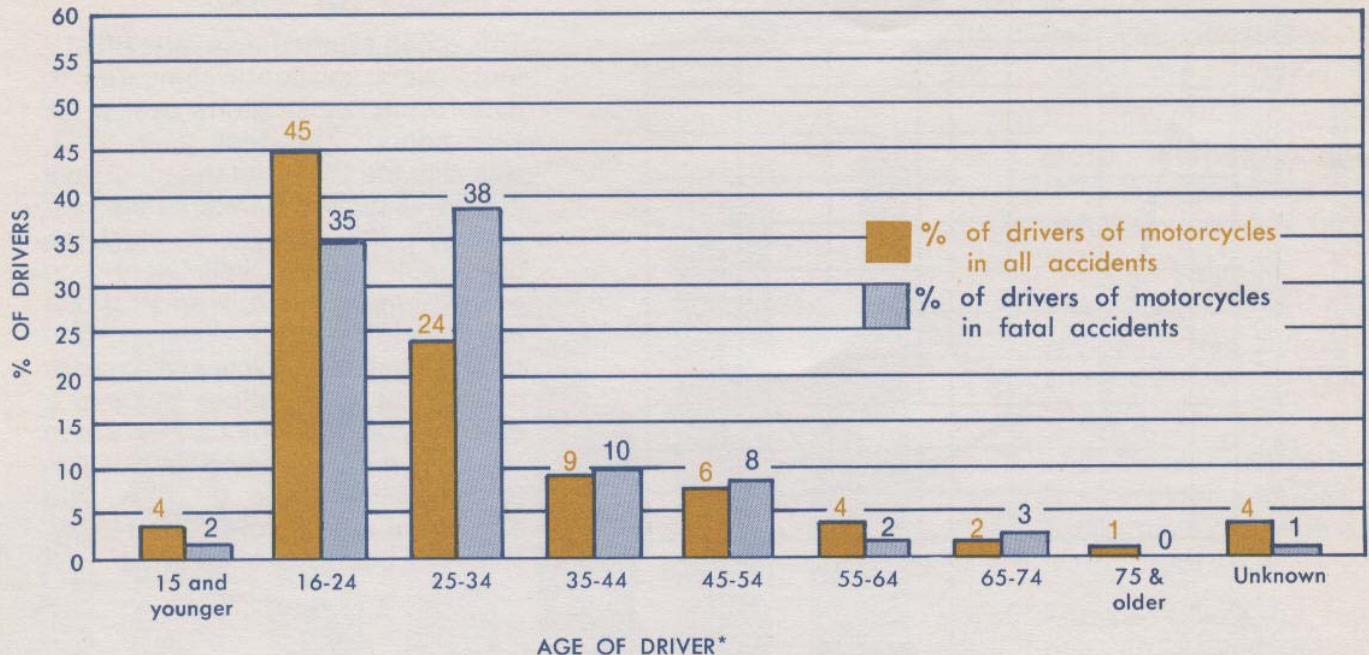
YEAR	NUMBER OF MOTORCYCLE REGISTRATIONS	NUMBER OF FATAL MOTORCYCLE ACCIDENTS
1973	49,182	61
1974	57,845	48
1975	60,814	51
1976	59,167	45
1977	61,329	46
1978	60,985	55

## MOPED STATISTICS

Mopeds, or motorized bicycles, are becoming more common as a means of transportation. Kentucky law classifies mopeds as a motor vehicle. Mopeds are not required to be licensed or be insured. The operator is required to be licensed but not required to wear safety equipment. In 1978, there were 19 mopeds involved in accidents. There were no fatalities, although 16 persons were injured. 10 of these accidents (53%) occurred on local streets. 30 drivers were involved in motor vehicle accidents involving mopeds. All of the drivers were local residents and 43% were under the age of 20.

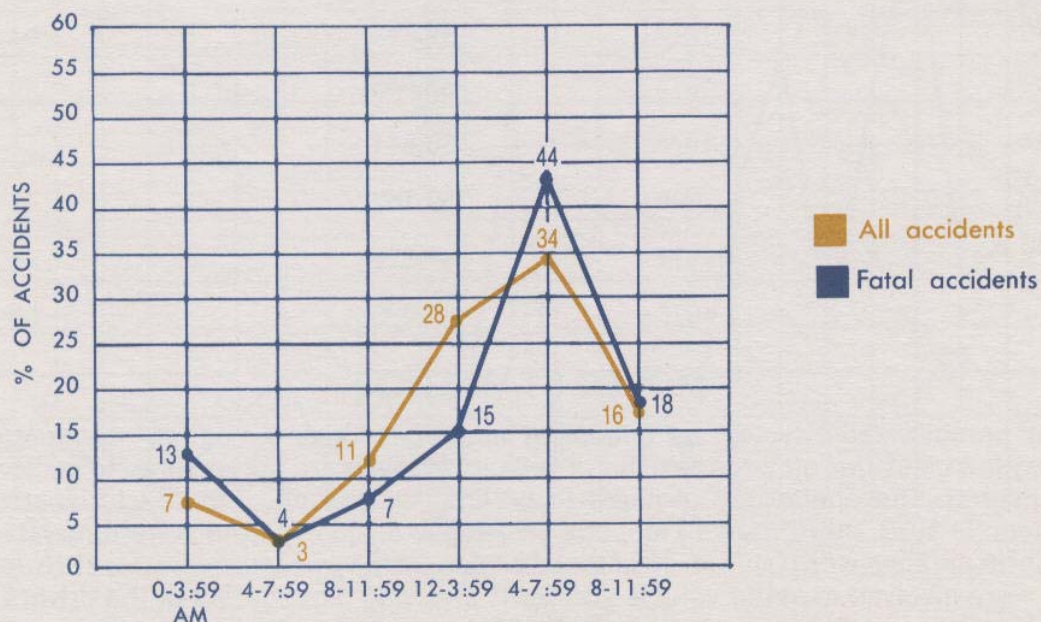


## MOTORCYCLE ACCIDENTS BY AGE OF DRIVER



\*Note that all age groups do not consist of an equal number of years.

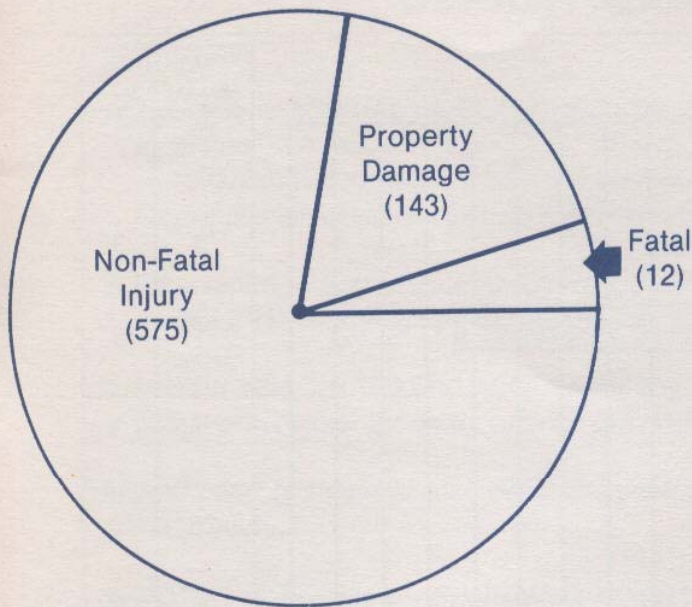
## MOTORCYCLE ACCIDENTS BY TIME OF DAY



Graph does not include 1% of all motorcycle accidents where the time of day was not known.



## ACCIDENTS INVOLVING BICYCLISTS



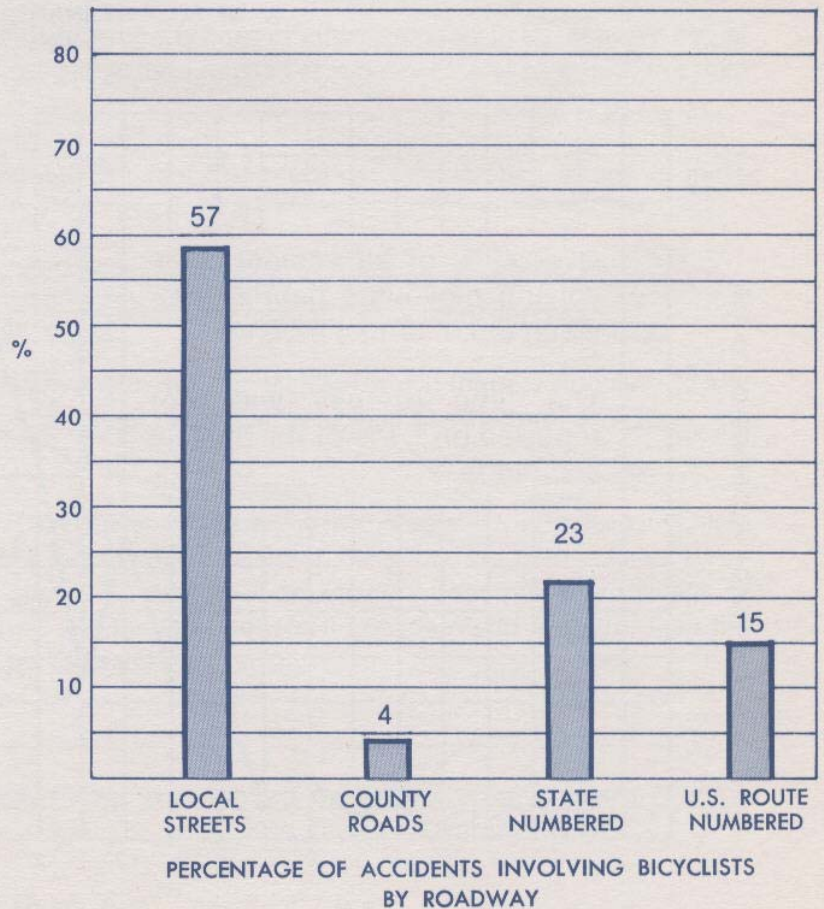
In 1978 there were 730 accidents involving bicyclists. Of these, 12 were fatal and 575 involved injury.



Approximately 57% of these accidents occurred on local roads.

Only one occurred on an interstate.

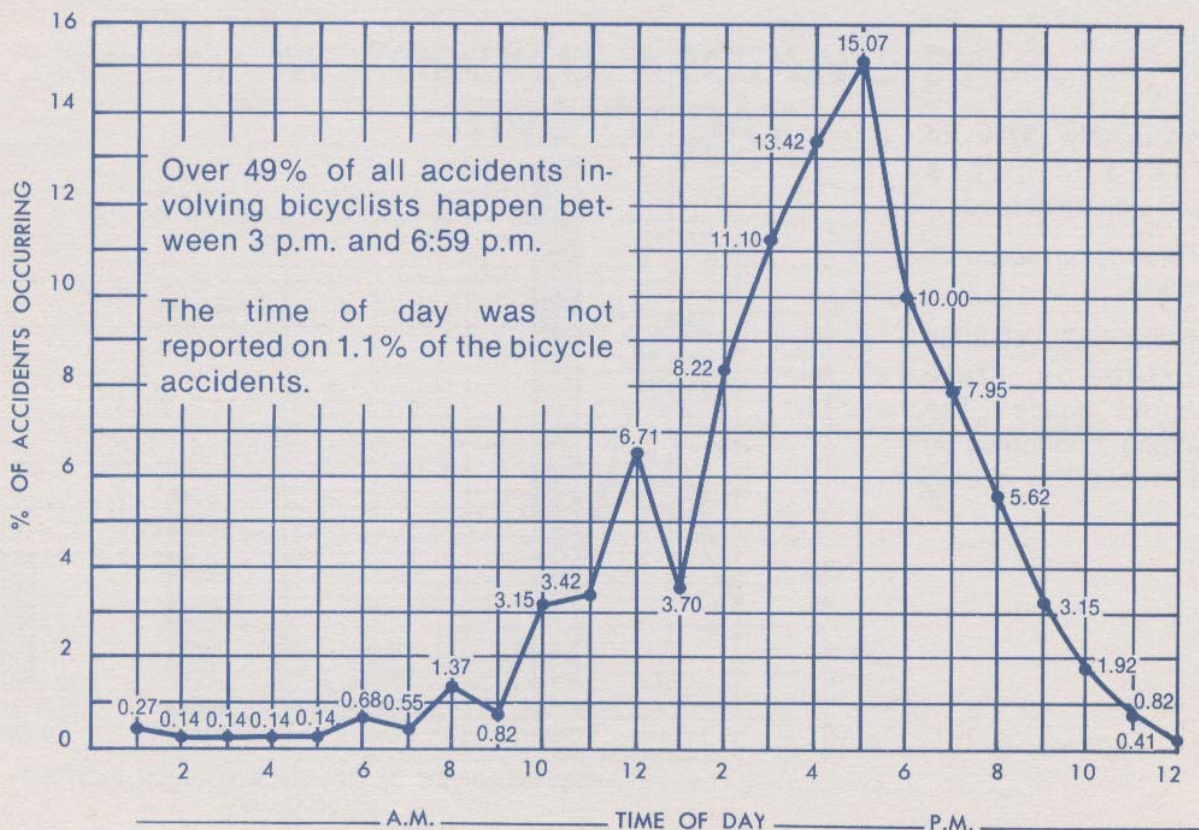
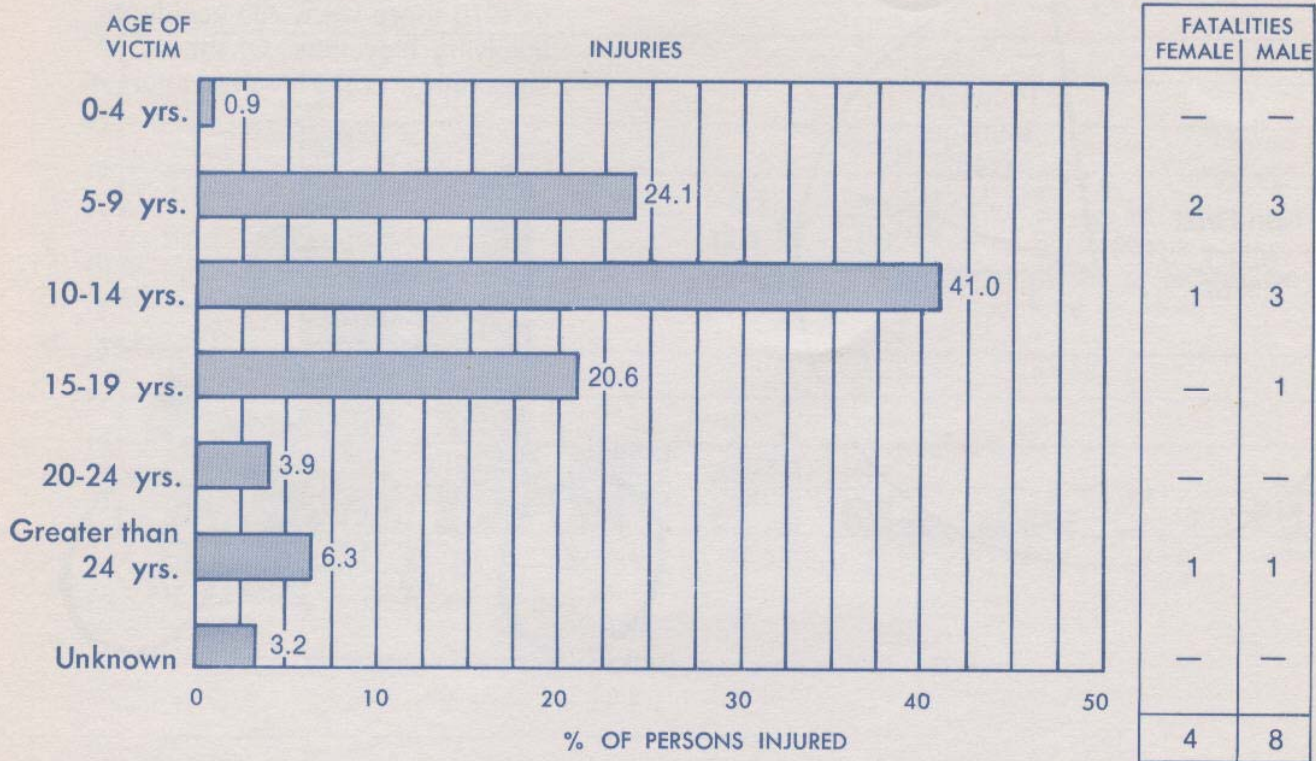
9 of the 12 fatalities occurred on state numbered roads. The remaining 3 occurred on local streets.





# ACCIDENTS INVOLVING BICYCLISTS

Over 64% of all motor vehicle injuries and 75% of the fatalities involving bicyclists occur in the age groups between 0-14 years old.





## DEFINITIONS AND TERMS

1. The national MANUAL ON CLASSIFICATION OF MOTOR VEHICLE TRAFFIC ACCIDENTS is used to insure that uniform definitions, classifications, and other federal requirements are in compliance. The manual is a standard guide for Traffic Records to use in the classification of data for compilation of statistics on accident experience.
2. For a report to qualify under the current program regulations, it must be classified as a MOTOR VEHICLE TRAFFIC ACCIDENT.
3. MOTOR VEHICLE TRAFFIC ACCIDENT is any motor vehicle accident that occurs on a trafficway or that occurs after the motor vehicle runs off roadway but before events are stabilized.
4. ACCIDENT is an unintended event that produces injury or damage. The word "injury" includes "fatal injury."
5. MOTOR VEHICLE is any mechanically or electrically powered device, not operated on rails upon which or by which any person or property may be transported or drawn upon a highway. For purposes of classification, any object such as a trailer, coaster, sled or wagon being towed by a motor vehicle is considered a part of the motor vehicle, including such devices when detached while in motion, or set in motion by a motor vehicle, such as during pushing.
6. TRAFFICWAY is the entire width between property lines or other boundary lines, of every way or place, of which any part is open to the public for purposes of vehicular travel as a matter of right or custom.
7. FATAL ACCIDENT is any motor vehicle accident that results in fatal injuries to one or more persons.
8. NONFATAL INJURY ACCIDENT or sometimes referred to as a Personal Injury Accident is any motor vehicle accident that results in injury, other than fatal, to one or more persons.
9. PROPERTY DAMAGE ACCIDENT is any motor vehicle accident which there is no injury to any person, but only damage to a motor vehicle or other road vehicle or to other property, including injury to domestic animals.
10. LEGAL REPORTING REQUIREMENTS: (1) Whenever anyone is injured and/or the motor vehicle involved is inoperable as a result of a motor vehicle accident, the police are to be notified so an investigation can be made at the scene. (2) Whenever an accident does property damage of \$200.00 or more, or injury is involved and for some reason no police report is made, then the driver is required to file a written report with the Department.

NOTE: PERCENTAGE TOTALS IN THIS REPORT MAY NOT ALWAYS BE EQUAL TO 100% DUE TO ROUNDING OF FIGURES.





*Prepared by*  
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